

SAVE TIME: 20 Keyboard Shortcuts for Mac

Macworld

April 2015

www.macworld.com



PHOTOS for OS X

First look at Apple's iPhoto replacement

HOW TO: SAFELY SHARE YOUR LOCATION WITH iOS 8



WANT HIGHER PC PERFORMANCE?

THE OCZ ARC SSD SERIES WILL TAKE YOU THERE.



You've been hearing about what SSDs can do to jump start PC performance for a while now. But you haven't made the leap yet. Why, what is holding you back? Cost? Enter the all-new OCZ ARC solid state drive series. Known for its innovative enthusiast-grade SSDs, OCZ designed the ARC series to offer everyday users an excellent value while still leveraging the proven technology found in our flagship SSDs for a robust performance and reliability feature-set. *Crossover...no faith needed with this leap.*

Up to 490 MB/s • Up to 80,000 IOPS • OCZ Barefoot 3 M10 Controller
Toshiba 19nm Multi-Level Cell (MLC) NAND • Available in 120GB – 480GB

OCZ SHIELDPLUS
WARRANTY



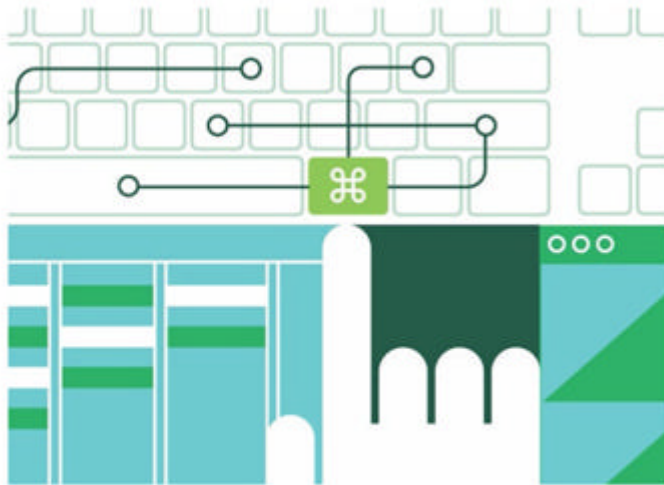
A Toshiba Group Company

ocz.com

#jumpstart



First look: Photos for OS X **84**



Master Keyboard Shortcuts **100**

MacUser

Apple's Tim Cook warns that sacrificing privacy has risks **6**

Two-factor authentication for FaceTime and iMessage **10**

Apple wants its cars in production by 2020 **14**

The best clipboard managers **18**

MacUser Reviews **24**

Hot Stuff **40**

iOS Central

Sharing your location with iOS 8 **44**

My month as a HealthKit patient **50**

6 things Apple should fix in iOS 9 **56**

iOS Central Reviews **62**

What's new at the App Store **80**

iOS accessories **81**

Working Mac

Archive your email, contacts, and calendars before it's too late **106**

FileVault 2 encrypts your Mac **110**

5 apps for signing documents with your iPhone and iPad **114**

5 Safari extensions for a better browsing experience **120**

Create

How to identify any font **126**

Declutter your Camera Roll with easy photo management apps **130**

Creaticity: Place photos inside text using Photoshop **134**

Help Desk **140**

Macworld

CCO & SVP, U.S. MEDIA AT IDG John Gallant

EDITOR IN CHIEF, CONSUMER BRANDS Jon Phillips

EXECUTIVE EDITOR Susie Ochs

DESIGN DIRECTOR Rob Schultz

Editorial

SENIOR EDITOR Christopher Breen

ASSOCIATE EDITOR Leah Yamshon

SENIOR CONTRIBUTORS Adam C. Engst, Glenn Fleishman, Lex Friedman, Rob Griffiths, John Gruber, Jim Heid, Andy Ihnatko, Joe Kissell, Ted Landau, Rick LePage, Ben Long, Kirk McElhearn, John Moltz, John Siracusa, Derrick Story

Design

DESIGNER Kate Godfrey

CONTRIBUTING PHOTOGRAPHER Peter Belanger

Advertising Sales

SALES MANAGER Duane Hampson (415/978-3133)

Production

DIRECTOR, PRODUCTION Nancy Jonathans

SENIOR PRODUCTION MANAGER Tamara Gargus



INTERNATIONAL DATA GROUP CHAIRMAN OF THE BOARD
Walter Boyd

IDG COMMUNICATIONS, INC. CEO
Michael Friedenber

HOW TO CONTACT MACWORLD SUBSCRIPTION SERVICES

Access your subscription account online—24 hours a day, 7 days a week—at www.macworld.com/customer_service or www.macworld.com/service. You can use online subscription services to view your account status, change your address, pay your bill, renew your subscription, report a missing issue, get the answers to frequently asked questions, and much more.

To start subscribing, visit subscribe.macworld.com.

U.S. MAIL Macworld Subscriptions Department
P.O. Box 37781, Boone, IA 50037-0781
(If you are writing about an existing account, please include your name and address at which you subscribe.)

EMAIL subhelp@macworld.com (Send your full name and the address at which you subscribe; do not send attachments.)

FAX 515/432-6994

PHONE 800/288-6848 from the U.S. and Canada; 515/243-3273 from all other locations

The one-year (12-issue) subscription rate is \$34.97; the two-year rate, \$59.97; and the three-year rate, \$79.97. Checks must be made payable in U.S. currency to *Macworld*. Please allow 3 to 6 weeks for changes to be made to an existing subscription.

MACWORLD EDITORIAL

The editors of *Macworld* welcome your tips, compliments, and complaints. Some stories and reviews from past issues can be located at www.macworld.com. We are unfortunately unable to look up stories from past issues; recommend products; or diagnose your Mac problems by phone, email, or fax. You can contact Apple toll-free, at 800/538-9696, or visit the company's website, at www.apple.com.

HOW TO CONTACT MACWORLD STAFF

Our offices are located at 501 Second Street, 6th Floor, San Francisco, CA 94107; phone, 415/243-0505; fax, 415/243-3545. *Macworld* staff can be reached by email at firstinitiallastname@macworld.com.

BACK ISSUES OF MACWORLD

Starting with the March 2003 *Macworld*, back issues can be downloaded in digital format, from www.zinio.com (\$6.99; Mac OS X 10.1 or later required). Print-format back issues (subject to availability) cost \$8 per issue for U.S. delivery, and \$12 for international delivery; prepayment in U.S. currency to *Macworld* is required. Send a check or money order to *Macworld* Back Issues, P.O. Box 37781, Boone, IA 50037-0781; or phone 800/288-6848 (U.S. and Canada) or 515/243-3273 (all other locations).

REPRINTS AND PERMISSIONS

You must have permission before reproducing any material from *Macworld*. Send email to permissions@macworld.com; please include a phone number.

MAILING LISTS

We periodically make lists of our customers available to mailers of goods and services that may interest you. If you do not wish to receive such mailings, write to us at *Macworld*, P.O. Box 37781, Boone, IA 50037-0781, or email us at subhelp@macworld.com.

PUBLICATION INFORMATION

April 2015, Volume 32, Issue 04

Macworld is a publication of IDG Consumer & SMB, Inc., and International Data Group, Inc. *Macworld* is an independent journal not affiliated with Apple, Inc. Copyright © 2015, IDG Consumer & SMB, Inc. All rights reserved. *Create*, *Playlist*, *Mac User*, *Macworld*, and the *Macworld* logo are registered trademarks of International Data Group, Inc., and used under license by IDG Consumer & SMB, Inc. *Apple*, the Apple logo, *Mac*, and *Macintosh* are registered trademarks of Apple, Inc.



VIDEO

To view this
video, go to
[go.macworld.
com/tcook](http://go.macworld.com/tcook)

Apple's Tim Cook warns that sacrificing privacy 'risks our way of life'

Apple's chief believes the personal impact of security breaches can be devastating

BY JAMES NICCOLAI

Apple CEO Tim Cook has warned of “dire consequences” if tech companies can’t protect the privacy of those who use their products.

Giving up our privacy to digital technologies exposes us to greater risks than just identity theft and financial losses, Cook said in a brief speech at a cybersecurity summit in Silicon Valley.

“History has shown us that sacrificing our right to privacy can have dire consequences,” Cook said.

“We still live in a world where all people are not treated equally,” he said, “where too many people do not feel free to practice their religion or express their opinion or love who they choose, a world in which that information can make the difference between life or death.”

He may have been alluding to oppressive regimes that punish citizens for political beliefs or sexual orientation. But speaking to an audience that includes U.S. policy makers, Cook’s remarks are also a reminder of the government’s need to protect privacy as it conducts its digital surveillance campaigns.

“If those of us in positions of responsibility fail to do everything in our power to protect the right of privacy, we risk something far more valuable than money. We risk our way of life,” he said.

Cook spoke at a summit convened by the White House, where President Barack Obama was expected to sign

**“HISTORY HAS
SHOWN US THAT
SACRIFICING OUR
RIGHT TO PRIVACY
CAN HAVE DIRE
CONSEQUENCES.”**

TIM COOK speaking at the
cybersecurity summit
in Silicon Valley.



an executive order making it easier for the government to share sensitive information about cyberthreats with the private sector.

Google, Microsoft and other big tech companies sent representatives to the summit, but Apple was the only one that sent its CEO, possibly reflecting divisions between Silicon Valley and the U.S. government over its surveillance programs.

Cook spoke for only 12 minutes but crammed a lot in. He took a jab at companies like Google and Facebook whose business models are based largely on personal data they collect about their users.

“We have a business model that focuses on selling the best products and services in the world, not on selling your personal data,” Cook said.

Apple’s products are built with security in mind from their inception, he said.

Still, Apple has been far from perfect in protecting privacy. iCloud was hacked last year ([go. macworld.com/hacked](http://go.macworld.com/hacked)) and nude photographs of dozens of celebrities were stolen and posted on the Internet. Apple had to strengthen its security (go.macworld.com/stronger) afterward to try to prevent a repeat.

Cook also plugged Apple Pay, which he presented as a more secure alternative to debit cards.



COOK TOUTED Apple Pay as a more secure alternative to debit cards.

Starting in September, he said, people will be able to use the mobile payment service for certain federal government transactions, like gaining access to national parks.

“We can imagine a day in the not distant future when the wallet becomes a remnant of the past,” Cook said.

Until then, the threat of identity theft and financial crimes remains very real. “The personal impact of these security breaches can be devastating,” Cook said. ■

AKiTiO Thunderbolt™

Get a Little Lightning in Your Life!



Thunderbolt™
AKiTiO
Thunder2 PCIe Box

Thunderbolt™
Neutrino
Thunder Duo

Thunderbolt™
Neutrino
Thunder D3

Thunderbolt™
Neutrino
Thunder Edition

Thunderbolt™
AKiTiO Thunder2 Quad

Thunderbolt™
AKiTiO Thunder Dock

Thunderbolt™
AKiTiO
Thunder2 Quad Mini

Thunderbolt™
AKiTiO Thunder2 Dock

Thunderbolt™
AKiTiO
Thunder2 Storage-AV

USB 3.0
Thunderbolt™
AKiTiO ThunderGo

Thunderbolt™
AKiTiO
Thunder2 Duo Pro

Thunderbolt™
AKiTiO Palm RAID



Thunderbolt™
AKiTiO Thunder SATA Go

Thunderbolt™
AKiTiO
Thunder 10G Network Adapter



Check out our complete line of
Thunderbolt™ products at
www.akitio.com

Available from these and other fine retailers:
TEKSERVE **ADORAMA** **BH** **Star**

*Tel: (408) 780-2829 or (657) 216-2222 *Fax: (408) 657-4686 *E-mail: sales@akitio.com

AKiTiO is a registered trademark of AKiTiO Corporation. All other trademarks are the property of their respective owners. © 2014 AKiTiO Corporation. All rights reserved. AKiTiO Thunderbolt™ is a registered trademark of AKiTiO Corporation. All other trademarks are the property of their respective owners. © 2014 AKiTiO Corporation. All rights reserved.





Apple extends two-factor authentication to FaceTime and iMessage

Extending two-step verification to your personal messages on FaceTime and iMessage is an excellent extension of Apple's ongoing security.

BY IAN PAUL

Step 4 of 4: Enable two-step verification.

Before you enable two-step verification, you must agree to the following conditions:

- 1 With two-step verification enabled, you will always need **two** of the following to manage your Apple ID:
 - Your password
 - A trusted device
 - Your Recovery Key
- 1 If you forget your password, you will need your Recovery Key and a trusted device to reset it.
- 1 Apple will not be able to reset your password on your behalf.
- 1 You are responsible for storing your Recovery Key in a safe place.

☒ I understand the conditions above.

Go Back

Enable two-step Verification

Apple recently extended its two-step verification protections to two more services. The SMS-based security measure now covers FaceTime and iMessage in addition to iCloud and your Apple ID, as first reported by *The Guardian* (go.macworld.com/guardian).

If you have two-step verification enabled, the next time you try to login to iMessage or FaceTime on a new device you will have to supply a code sent to your smartphone via text message as well as log in with your password. Apple's version of two-factor authentication does not work with authenticator smartphone apps.

The impact on you at home: After the so-called celebrity iCloud hacks, security measures for Apple services were criticized for not being strong enough. Apple first improved security when it extended two-step verification measures to protect iCloud backups (go.macworld.com/icb). Extending two-step verification to

your personal messages on FaceTime and iMessage is an excellent extension of Apple's ongoing security efforts.

GETTING STARTED

If you've never enabled two-step verification, setting it up is easy. Just visit My Apple ID (go.macworld.com/id), sign in and under Password and Security choose to enable two-step verification at the top of the page.

Apple will then lead you through a short set-up that will include setting up your smartphone to receive two-step verification codes. You will also receive a back-up recovery key (a long code made up of numbers and letters) that you can use to sign-in to Apple services should you lose access to your phone.

APPLE WILL THEN LEAD YOU THROUGH A SHORT SET-UP THAT WILL INCLUDE SETTING UP YOUR SMARTPHONE TO RECEIVE TWO-STEP VERIFICATION CODES.

When you sign-up for two-step verification, be sure to read through each step carefully. Apple warns that once two-step verification is enabled your security questions will no longer be used to verify your identity.

To gain access to your Apple account, you'll need two out of the following three items: your Apple ID password, the trusted device where you receive SMS codes from Apple, or your recovery key. ■

Blackmagicdesign



Blackmagic URSA

The world's first user upgradable digital film camera features 4K Super 35 sensor with global shutter, fold out 10" monitor and more! Available in PL and EF lens mount models.

ULTRAHD 12G SDI

From \$5,995

Lens and Accessories not included.



Learn more 

blackmagicdesign.com

Apple wants its cars in production by 2020, report says

Snowballing evidence tells us Apple is prepping for some type of automotive launch within the next five years.

BY JON PHILLIPS





MERCEDEZ-BENZ
version of Apple's
CarPlay.

For a consumer electronics company that won't even put a TV on the market, an Apple Car sounds unlikely on paper. But mounting evidence says Apple is gearing up for some type of automotive effort, and recently, we learned that Apple is targeting 2020 for a full-fledged car.

Referencing “people with knowledge of the matter,” *Bloomberg* (go.macworld.com/bloomberg) reported that Apple wants to put an electric vehicle into production within the next five years. 2020 is a deliciously specific launch date, and, at first glance, this sounds like a long way away. But once you factor in all the hurdles Apple would have to cross, five years is actually an aggressive time frame.

Consider: Apple has no experi-

ence or history with cars, save the dashboard tech in CarPlay. Automobile design also requires extensive engineering that's far beyond anything relating to MacBooks and iPhones. Then there are federal safety and emission regulations to satisfy. And, oh yeah, an Apple Car would have to be a bad-ass ride that captures our imagination unlike any other four-wheeled vehicle before it.

So, 2020? I think that's ambitious as hell. At least within the scope of

Apple's product launch history. This isn't a company that rushes head-first down the water slide.

Snowballing evidence tells us Apple is prepping for some type of automotive effort. *9to5Mac* (go.macworld.com/talent) published an extensive rundown of all the talent Apple has hired in the automotive space, including big brains who have worked at companies involved in transmissions, drive trains, seatbelts, and other key car systems. Clearly, something is going on in Cupertino—the question is what?

APPLE CAR: CASES FOR AND AGAINST

On one hand, Apple has a fiduciary responsibility to its shareholders to innovate. It's the most successful business in the history of the world, and it just can't mind its knitting, so to speak, by limiting its product line to mobile gear that weighs under just a few pounds. Transitioning to truly mobile gear—cars—is arguably a key strategic maneuver that will keep Apple relevant once iPad life cycles stagnate as badly as PCs, and every fanboy and fangirl has bought his or her Apple Watch.

On the flipside, wow, we're talking about a car. Cars have

CARS HAVE HORRIBLY LONG LIFE CYCLES, AND PART OF APPLE'S SUCCESS LIES IN SELLING YOU A NEW THING EVERY YEAR OR TWO.

horribly long life cycles, and part of Apple's success lies in selling you a new thing every year or two. Cars also have poor profit margins (at least on the low end (go.macworld.com/margins) and can't be sold on two-year contracts with a bunch of money-making service plans attached.

Or who knows: Perhaps that's the innovation Apple has in store. Traditional car companies already sell maintenance plans. Perhaps Apple is working on a magic dust plan that's just too good to turn down.

Regardless, for a company that's so far shown no interest in the big-screen TV market (ostensibly a natural fit), and a somewhat late-to-the-party approach to the wearables market, the prospect of an Apple Car sounds completely far out. And the possibility of a launch in five years time challenges logic and reason even further. ■

I was one of the **1** in **5**
Children in America who
STRUGGLE WITH HUNGER
join me and help put an
End to childhood hunger.

Viola Davis

**HUNGER IS
ALL OF US**

HELP UNDO CHILDHOOD HUNGER. GO TO HUNGERIS.ORG

THE
SAFeway
FOUNDATION

The *Hunger Is* campaign is a collaboration between The Safeway Foundation and the Entertainment Industry Foundation to raise awareness and improve the health of hungry children.

EIF
ENTERTAINMENT INDUSTRY FOUNDATION

The Safeway Foundation and the Entertainment Industry Foundation are 501(c)(3) tax-exempt organizations. Photo by: Nigel Parry

COPY'EM PASTE SHOWS its history in a resizable window that you can call up with a click or keystroke. Using a pop-up menu at the bottom, you can transform text as you paste it.



Copy, Paste, Repeat: Finding the best OS X clipboard manager

Make a one-trick clipboard into a multi-tasker with the latest clipboard managers.

BY JOE KISSELL

OS X's clipboard has always been a transient storage place, intended to hold whatever you copy or cut just long enough to paste it somewhere else. Once you copy something else, that new snippet overwrites whatever's already on your clipboard. And if you restart your Mac, you lose whatever was on the clipboard beforehand.

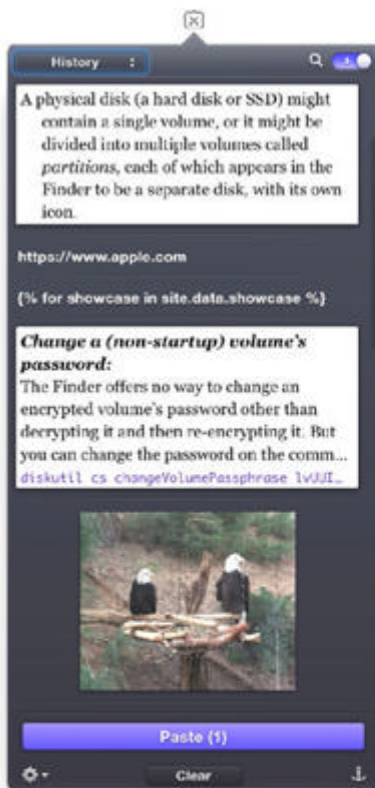
But what if you had something important on the clipboard but forgot to paste it, and then copied something else? What if you want to copy several things and then paste each of them multiple times? What if you want to preserve what's on your clipboard past a restart? And what if you copied something in one format but want to paste it in a different format—for example, removing text formatting or changing capitalization? You need a clipboard manager.

A clipboard manager is a utility that runs in the background, keeps a history of what has been on your clipboard, and lets you paste things you copied hours or days ago. Some clipboard managers have spiffy additional features, too.

In the four years since *Macworld* last looked at clipboard managers, new contenders have appeared and some old favorites have fallen by the wayside. PTHPasteboard Pro, my go-to choice for many years, is not fully compatible with Yosemite and is no longer for sale. Several other utilities we covered previously haven't been updated in years. On the other hand,

do a search for “clipboard” in the Mac App Store and you'll find dozens upon dozens of newer utilities.

For this roundup, I narrowed the



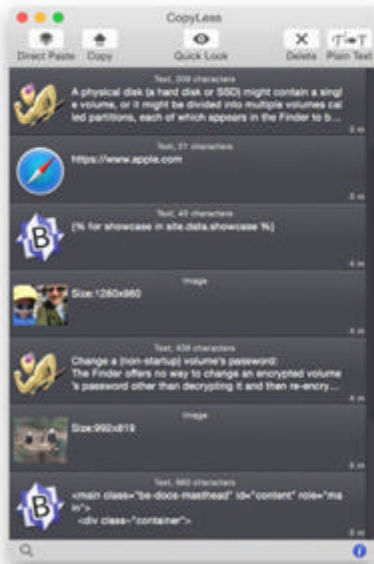
CLIPBOARD CENTER (shown), CopyPaste Pro, and iClipboard can merge clipped snippets together, pasting them as a group.

choices down to six top contenders: Jérémy Marchand's Clipboard Center (\$5, go.macworld.com/clipbc), Apprywhere's Copy'em Paste (\$5, go.macworld.com/copyem), FIPLAB's CopyClip (\$5, go.macworld.com/copyc), maxbor's CopyLess (\$5, go.macworld.com/copyl), Plum Amazing's CopyPaste Pro (\$30, go.macworld.com/copyp), and Chronos' iClipboard (\$30, go.macworld.com/iclip). I also looked at four launcher utilities and a macro utility, all of which have clipboard management features—more on those in a moment.

CLIPBOARD MANAGERS COMPARED

The basic task of a clipboard manager is to maintain a clipboard history. CopyLess limits you to the last 100 items, CopyClip lets you store 230, CopyPaste Pro goes up to 999, and the others can store as many as you like. You can generally set an arbitrary limit in order to preserve disk space and improve performance. But even the lowest limit should be fine for most people. I don't think I've ever needed to go further back than 100 items.

When it comes time to paste a previous clipboard entry, you invoke the clipboard manager, typically by clicking a system-wide menu or by pressing a keyboard shortcut that displays a floating window listing



COPYLESS HAS a nice interface that lets you see which application each snippet was copied from.

recent clipboard entries. Which display format your clipboard manager uses is a matter of personal preference. (iClipboard has an arrangement for every taste, giving you a menu, a pop-out drawer, a Dock menu, and a browser that's much like the Command-Tab app switcher.) From there, you use your mouse, arrow keys, or further keyboard shortcuts to select an item and paste it. All the clipboard managers I tested include a search feature, too.

Some utilities let you transform a clipboard's contents as you paste. The most common option is to strip out text formatting, using either a special keystroke or a menu command. But in CopyClip, you can

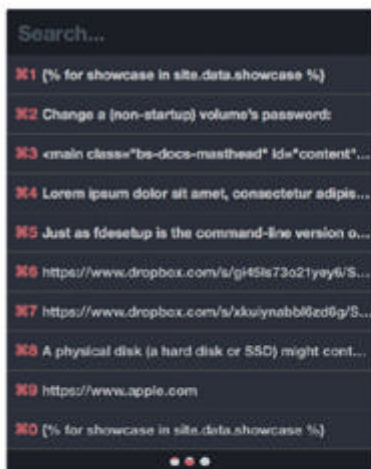
specify plain vs. formatted text only as a global preference, rather than deciding as you go as with the other apps. Copy'em Paste, CopyPaste Pro, and iClipboard let you change text case (uppercase, lowercase, or title case) among other transformations. However, just as CopyClip makes plain/formatted text pasting a global preference, iClipboard does the same thing for transformations like capitalization and stripping white space. That seems odd to me, because each of these text alterations is highly context-dependent.

You may copy something you want to paste over and over again in the future. All these utilities have some way of letting you mark such an item as a favorite, adding it to a permanent list (separate from the rolling list of recent entries) that you can access with a keystroke, click, or search. In addition, Clipboard Center, CopyPaste Pro, and iClipboard allow you to merge clipboard items together, pasting more than one in a single action.

When you quit your clipboard manager and reopen it, or restart your Mac, you may want it to keep your history. All six apps let you do this, at least optionally. (Some people may prefer to clear all their clipboards on restart for security reasons.) Speaking of security, all the utilities I tested except CopyPaste Pro let you exclude

certain apps from your clipboard history—for example, if you copy a password from 1Password, you may not want it sticking around indefinitely in your clipboard manager.

Three of the clipboard managers—Copy'em Paste, CopyPaste Pro, and iClipboard—let you edit the contents of any item in your clipboard history (CopyPaste Pro uses TextEdit; the other two have built-in editors). That's handy if you plan to paste something numerous times but what you copied isn't quite right.



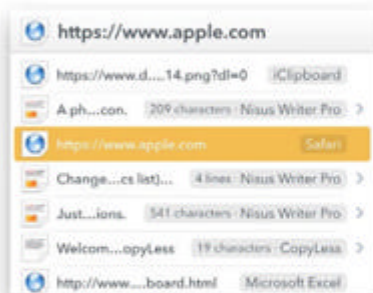
COPYCLIP
doesn't have
a lot of extra
features.

Although every one of these clipboard utilities got the job done, if I had to pick just one, it would be Copy'em Paste. It has a simple, unobtrusive interface and nearly every desirable clipboard management feature, yet at one-sixth the cost of CopyPaste Pro or iClipboard.

OTHER OPTIONS

But wait! You may already have a different sort of utility running on your Mac that includes adequate clipboard management features. Clipboard histories are available in Alfred (with the optional £17 Powerpack, alfredapp.com), Butler (\$20, manytricks.com/butler), LaunchBar (\$29, obdev.at), and Quicksilver (with the optional, free Clipboard Plugin, qsapp.com). Although none of these launchers has all the clipboard-related bells and whistles of dedicated clipboard managers, they come fairly close, with the advantage that you can use many of the same keyboard shortcuts you're already accustomed to. Of these, I personally prefer LaunchBar, although its clipboard history display doesn't show graphics, as do Butler and Quicksilver.

There's one final option, however, and it's what I've settled on for my own clipboard management: Stairways Software's \$36 macro utility Keyboard Maestro (keyboard-maestro.com). Keyboard Maestro is designed for automating repetitive tasks, but like the launcher utilities, it includes clipboard features too, with a history of up to 99 previous items. In fact, it includes virtually every clipboard management feature I've mentioned so far. (A couple of exceptions: It doesn't let you search items in your history,



YOU CAN PRESS

the Spacebar in LaunchBar to preview any item in Quick Look before pasting it.

and doesn't have a way to exclude apps from your clipboard history—but it can automatically detect and hide passwords, which serves essentially the same purpose.) Because Keyboard Maestro is a macro utility, you can perform elaborate filtering on clipboard contents as you paste them, assign any keystroke you like to any activity, and integrate current and previous clipboards with other automation tasks.

MACWORLD'S BUYING ADVICE

If you want a solid, full-featured clipboard manager (and nothing else) at a great price, Copy'em Paste is a good bet. For a combined launcher and clipboard manager, LaunchBar gets the nod. Keyboard Maestro is overkill if all you want is clipboard management, but as an all-purpose geek tool, it's outstanding—and it just happens to have the most flexible clipboard tools of any app I tested. But for the basic task of maintaining a persistent clipboard history, any app mentioned here will do the trick. ■

You might know **Joshua**.
He loves video games, and he
owns enough to know they're not
all meant for kids. That's why he
reminds his friends (at least the
ones that have kids) that they all
have **big black letters on the box**
to help parents find the ones that
are best for their families.

You can learn about those
ratings at **ESRB.org**



Los Angeles, CA



ENTERTAINMENT SOFTWARE
RATING BOARD





MAC GEMS ARE APPS THAT OFFER
STANDOUT UTILITY OR UNIQUE
FEATURES AT A GREAT PRICE.



UTILITY

ALFRED APP LAUNCHER CONTINUES TO SHINE, BUT REMOTE DOESN'T STACK UP

BY BRIAN BEAM

THE INTRODUCTION OF the Macintosh back in 1984 helped release us from the bondage of the command-line interface (go.macworld.com/line). It seems ironic that there's a relatively new category of Mac productivity apps that lets us control our Macs from the keyboard. Quicksilver was one of the first, and I was a big fan. But when developer support fragmented, other apps like Launchbar and even Apple's own Spotlight moved in to stake a claim. I've tried all of them and, while all have their merits, I eventually landed on Alfred by Running With Crayons and haven't looked back.

ALFRED 2.6 FOR MAC



ALFRED REMOTE FOR IOS



AT A GLANCE:

App- and file-launching utility adds workflows and customizable themes while maintaining ease of use, and users can build their own workflows to share with the Alfred user base.

PROS:

- Easy to get started
- Can download other workflows if you're not comfortable with creating your own
- Launchers and shortcuts are huge time savers

CONS:

- Alfred Remote quite not up to speed yet

PRICE:

Alfred 2.6: Free; optional Powerpack is £17

Alfred Remote: \$5

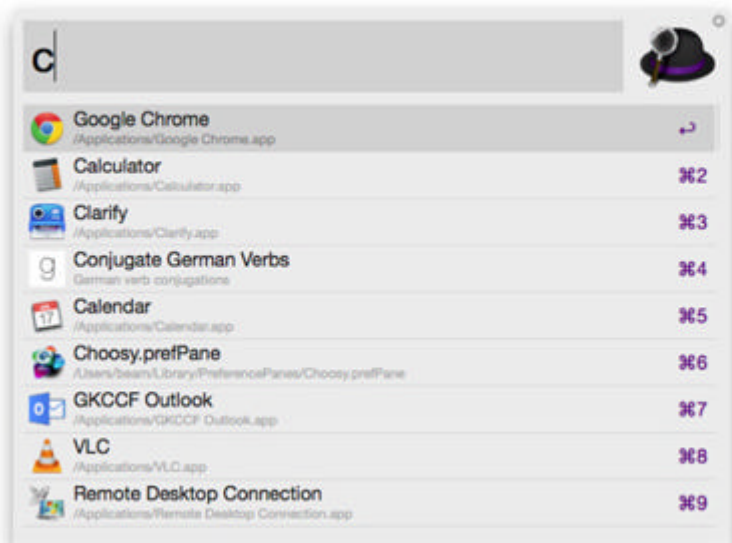
COMPANY:

alfredapp.com

BASIC AND BEYOND

At its most basic, Alfred is an app-launching utility. Rather than clicking on an icon in your dock or rummaging through your Applications folder, you simply type a key-combination (Cmd+Space, in my case) to bring up a text input window. As you begin typing the name of the app you want to open, Alfred starts displaying matches, narrowing down the list as you continue to type. Either hitting the Return key or selecting a Command-key option will open the selected item. Not only can you launch apps this way, but you can open files, folders, emails and contacts, perform web searches, copy/move files and folders, and a whole host of other actions. Almost anything that's stored on your Mac is fair game for Alfred. The more you use it, the more Alfred learns about you in order to help you work more quickly and efficiently.

Alfred 2.6 is available as a free download from the developer's website. (Note: An older version exists on the Mac App store, but it lacks some new enhancements and is not compatible with the newly released Alfred Remote app for iOS that's described further.) The app includes several basic features, including the app launcher, Web search, calculator, and dictionary actions.



YES, ALFRED IS an app-launching tool, but it can do so much more.

This is a good place to start, but if you want to squeeze the most out of Alfred, you need to buy the Powerpack (alfredapp.com/powerpack). This unlocks more advanced capabilities such as searching your contacts, accessing your clipboard history, controlling iTunes playback, and integrating with 1Password (go.macworld.com/1pw). But probably the most important Powerpack feature is the ability to create workflows. These are multi-step actions that can include AppleScripts, shell scripts, Ruby or Python code. You can build your own workflows, or download Alfred workflows that other users have shared (go.macworld.com/wflows).

ALFRED'S NEW ASSISTANT

Alfred has become so ingrained into my workflow that I find it painful to work on a Mac without it. Now, Alfred has a new assistant called Alfred Remote (Alfred Remote go.macworld.com/alremote)—a \$5 iOS version of Alfred that lets you control your Mac from your iPhone, iPad, or iPod touch. It's important to note that Alfred Remote is not a standalone app; you need to have Alfred 2.6 or higher running on the Mac you want to control.

After installing Alfred Remote on your iOS device, you need to pair it with Alfred on your Mac. This is similar to the process of pairing a Bluetooth device, except that it's all done over Wi-Fi. (Obviously, your Mac and iOS device need to be on the same Wi-Fi network.) Once the apps have been linked together, Alfred Remote greets you with a screen that resembles the iOS springboard. Pages of icons are organized by category, such as System Commands, Apps, iTunes Controls, and so on. To navigate among the various categories of actions, you can either swipe from page to page or tap on the category icon on the bottom row.

When you tap on an action icon in Alfred Remote, it performs that action on the connected Mac. For example, tapping on the Mail icon in Alfred Remote will open the Mail app on your Mac, tapping the Lock icon will lock your Mac, and so on. As trivial as that may sound, it's actually really cool when you see it in action.



ALFRED REMOTE FOR IOS lets you launch things and initiate workflows on your Mac from your iOS device.



You can add or remove icons and pages in Alfred Remote, but you need to make those changes within Alfred on the Mac and they're immediately reflected in Alfred Remote. If you subscribe to the Powerpack, then those functions are available in Alfred Remote as well.

Even though I think it's really interesting to be able to tap an icon on my phone and perform an action on my Mac, I must confess that I haven't found myself using Alfred Remote very often. It's been handy for controlling iTunes when I'm in another room, but in almost every other case, I still need to be sitting in front of my Mac. It would be different if Alfred Remote made opening an app or workflow on my Mac faster or easier, but it doesn't. For example, to open Chrome on my Mac using Alfred Remote, I need to pick up my phone, unlock it, open Alfred Remote, swipe to the Apps page and tap on the Chrome icon. In practice, that's not a huge effort, but I can perform the same action from the keyboard much more quickly by simply typing `Cmd+Space` → `C` → `Return`.

Although Alfred Remote doesn't fit into my workflow at the moment, I understand that it's a version 1.0 product and that the developer probably has a lot more in mind for future versions. Having the ability to

IN THEORY, Alfred Remote is awesome... but I haven't found a real use or it yet.

remotely control your Mac's keyboard and mouse from Alfred Remote would be quite useful, but here's another important feature that I think the developers should consider:

REMOVE THE NEED FOR A DIRECT CONNECTION BETWEEN YOUR MAC AND IOS DEVICE

The first time I used Alfred Remote, I was surprised that I had to connect via Wi-Fi instead of Bluetooth. I understand that there are situations where Wi-Fi is preferable to Bluetooth—for instance, to control iTunes on your Mac when your devices may be out of Bluetooth range—but it would be nice to also have a Bluetooth option for people like me who don't necessarily keep all their devices on the same network.

More importantly, though, imagine being at a restaurant and realizing that you've left your Mac at home unlocked. An iOS remote control app, such as LogMeIn or TeamViewer, could come to your rescue since they don't require a direct Wi-Fi or Bluetooth connection to your Mac, unlike Alfred Remote. However, this would require taking the time to log in to your Mac from your iPhone, and manipulating the desktop on a relatively small screen. By the time you finished, the check will have come. (Or your date will have left!) Wouldn't it be more convenient (and courteous) to simply tap an icon in Alfred Remote? This sort of remote connection option could also help address the Wi-Fi versus Bluetooth concern I mentioned earlier.

RUNNING WITH CRAYONS IS A RESPECTED APP DEVELOPER AND I TRUST THAT MANY ENHANCEMENTS ARE ALREADY IN THE PIPELINE.

BOTTOM LINE

Alfred is a top-notch productivity app on the Mac that I can't do without. But Alfred Remote? Not so much—at least not for me in its present form. But Running With Crayons is a respected app developer and I trust that many enhancements are already in the pipeline. Alfred has saved me so much time that I have no problem spending a few dollars on Alfred Remote in order to support the developer's efforts to make it as indispensable on iOS as Alfred is on the Mac. ■

NOVELS ROCK 'N' ROLL
STAND-UP COMEDY JAZZ
VIDEO GAMES MOVIES
COMIC BOOKS TALK RADIO

EVERY NEW ART FORM HAS ITS FIGHT FOR FREE SPEECH.

OUR TIME IS NOW
FIGHT FOR YOUR VIDEO GAMES



V I D E O G A M E V O T E R S . O R G



UTILITY

DISKWARRIOR 5: AN ESSENTIAL DRIVE TOOL GETS EVEN BETTER

BY KIRK MCELHEARN

I'VE SAID IT COUNTLESS TIMES: it's not a question of if you will lose data, but when. Media, such as hard drives, eventually fails. Or you can make the kind of mistake that results in deleted folders or erased disks. And files can simply get corrupted. There are two things you need to do to ensure you don't lose data: back up your files regularly and use software to diagnose and correct problems before they become serious.

BACON SAVER

Since 1998, Alsoft's DiskWarrior has been the go-to tool for fixing disk corruption on Macs. It's been eight years since the last update to Disk-

DISKWARRIOR 5



AT A GLANCE:

DiskWarrior 5 goes 64-bit and adds new (and welcome) features. If you have a Mac that can misbehave (and you do), you should also have DiskWarrior.

PROS:

- Preventive maintenance helps keeps disks healthy
- Repairs corrupted disks
- Can help recover data caused by certain disk problems
- Monitors disks for SMART errors

PRICE:

\$120

COMPANY:

alsoft.com

Warrior. At the time, I reviewed DiskWarrior 4 (go.macworld.com/dw4) and gave it the highest rating, five mice. It has saved my data, and fixed hard drive issues, many times over the years.

DiskWarrior does one thing, and does it well: it optimizes and repairs disk directories, which contain the information that tells your Mac where files are stored on the disks attached to it. If directories become corrupted, you can lose files. While your data may still be on a disk, the Mac is no longer capable of finding it. DiskWarrior works both as preventive medicine—to fix errors before they become serious—and to correct more serious errors and help recover files when things get really bad.

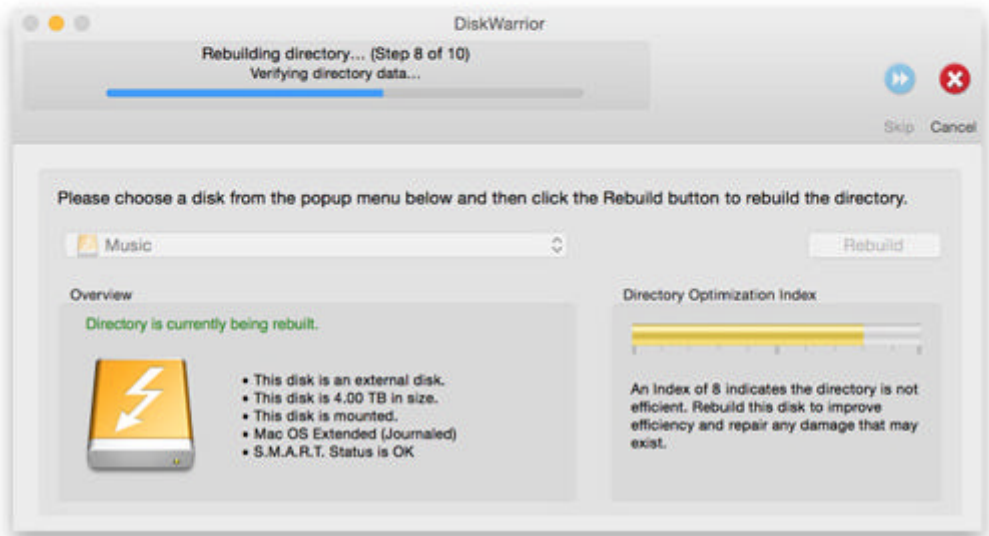
GOODBYE CD, HELLO FLASH DRIVE

DiskWarrior 5 is a major update to this essential app and includes a number of new features. The most visible is that it no longer comes on a CD. You now get a bootable flash drive that contains the software. To optimize or repair a startup volume, you boot from the flash drive. To work on any other connected disk, you can copy the software to your Mac and run it from there.

However, because of the way Macs now work, you can only start up your computer directly from the flash drive if it was originally delivered with OS X 10.4, 10.5, or 10.6. (See go.macworld.com/dwdetail for more detailed requirements for running DiskWarrior.) To boot from the Disk-

DISKWARRIOR SHOWS
up in the OS X Utilities
window when you boot
from a flash drive.





Warrior flash drive on a newer Mac, you need to boot to your Recovery partition and then run a Terminal command to launch the software. You can also use the DiskWarrior Recovery Maker to update the flash drive to be able to boot your Mac directly. (Or, better yet, a different flash drive, 2 GB or larger, so you can keep the original intact.)

When you boot from the updated flash drive which replicates your Recovery partition, DiskWarrior appears in the OS X Utilities window. Click it to launch it and then select a disk to analyze, optimize, and repair.

DiskWarrior displays a Directory Optimization Index for each drive. Green is good, meaning that the directory is not fragmented. If it's yellow, this suggests that the directory is "not efficient." This is a good time to run DiskWarrior to prevent problems from arising. When it's red, you really need to run DiskWarrior, both to make the directory more efficient and to fix problems that can become serious.

For serious issues, select a disk in DiskWarrior, press the Option key, and the *Rebuild* button becomes *Rebuild....* Click this, and then check Scavenge to have DiskWarrior recover files.

DiskWarrior can also check files for damage and check drives for their SMART status, even automatically in the background, alerting you to any

DISKWARRIOR
optimizing an
external hard drive.

problems. It will also work with FileVault encrypted drives. Click Unlock on the DiskWarrior window and enter your FileVault password so DiskWarrior can read the disk.

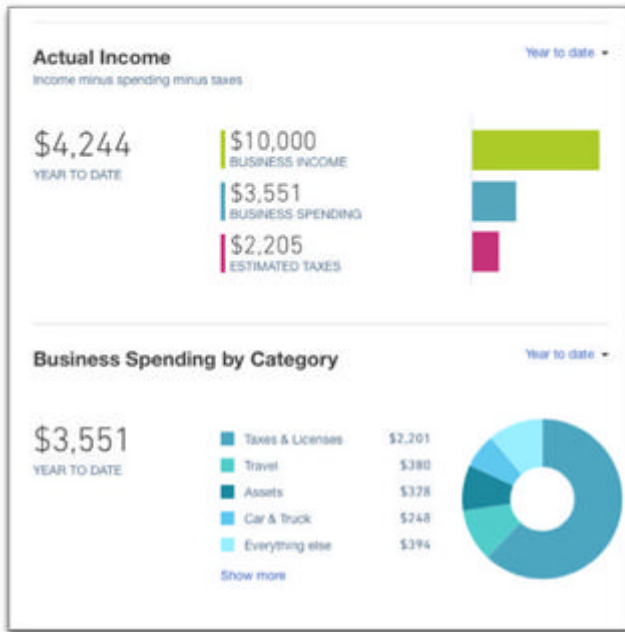
PERFORMANCE

I found DiskWarrior 5 to be a bit more finicky than previous versions. There was one disk that it wasn't able to repair, at first. I launched Apple's Disk Utility, using its repair function and it found nothing wrong. I then tried with DiskWarrior again, and it was able to fix the directory problems.

The speed with which DiskWarrior works depends on the type and size of your drive. It took DiskWarrior just five minutes to run through my retina iMac's SSD. When I optimized the directory of my Time Machine drive, however, it took more than an hour and used about 10GB of RAM. (This is not unusual. The way Time Machine works; any such drive has gazillions of files.) But DiskWarrior 4 was often unable to repair Time Machine drives at all because of the large number of files. Since DiskWarrior 5 uses 64-bit memory addressing, it can now handle such large directories.

BOTTOM LINE

DiskWarrior remains the essential tool for maintaining and repairing disk problems. For both preventive maintenance and repair it's a must-have tool. ■



BUSINESS SOFTWARE

ONLINE SELF-EMPLOYED UNTANGLES BUSINESS AND PERSONAL EXPENSES

BY JEFFERY BATTERSBY

QUICKBOOKS ONLINE SELF-EMPLOYED is a thinned-down version of QuickBooks Online with a very specific focus: Sole proprietors and small business owners who mix business and personal accounts, who pay quarterly taxes, and who need to do quick triage on business and personal income and expenses. QuickBooks Online Self-Employed performs its magic with the combination of a Web app and an iOS app (go.macworld.com/qb) and makes it easy to quickly separate your business and personal expenses.

QuickBooks Online Self-Employed is small business focused,

QUICKBOOKS ONLINE SELF-EMPLOYED



AT A GLANCE:

QuickBooks Self-Employed offers simplified income and expense management for small business owners who commingle business and personal accounts and need to pay quarterly taxes.

PROS:

- Automatically collects information on your income and expenses
- Simplifies calculating and paying quarterly tax payments

CONS:

- Limited reporting tools
- Needs better tools for mileage tracking, particularly on iOS devices
- No invoice or receipting tools

PRICE:

\$3

COMPANY:

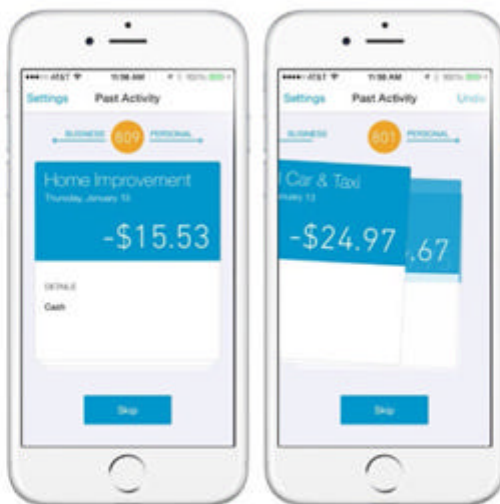
quickbooks.intuit.com

which is to say that it's aimed at business owners who are sole proprietors or LLC owners without partners and who write off business expenses using a Schedule C when filing their personal taxes. The assumption on Intuit's part is that the people who own these types of businesses often have a commingling of business and personal credit card and bank accounts, and it is often difficult using traditional accounting applications to quickly and easily separate business expenses from personal expenses.

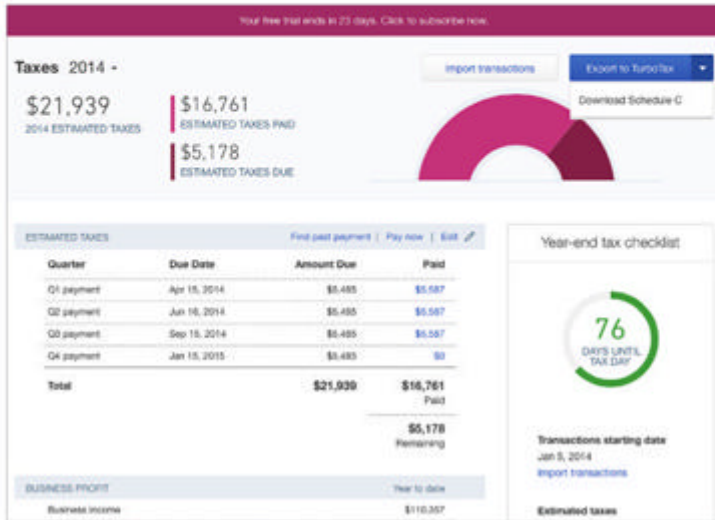
GETTING STARTED

To begin using QuickBooks Online Self-Employed, you first need to link the bank and credit card accounts you want the application to track. Adding accounts is simple: Use the search field to find your bank, enter your login information, then select the accounts you want to use. As is the case with QuickBooks Online, once you link accounts, QuickBooks Online Self-Employed will continue to automatically import all transactions associated with those accounts.

After your initial import, you have a few tasks. First, you need to categorize your expenses, just like you would in a desktop financial application. Once you categorize an expense from a particular vendor, QuickBooks Online Self-Employed continues to categorize expenses from that vendor in the same way. Every time new transactions are imported, you can verify the expense and make



THE QUICKBOOKS SELF-EMPLOYED iOS app makes quick work of separating your personal expenses from your business expenses.

**QUICKBOOKS SELF-EMPLOYED**

provides you with simple tools for viewing your tax liabilities and for printing your 1040-ES.

sure the categorization is correct.

The fun begins once categorization is complete and you split your expenses into two piles: one for business expenses and the other for personal expenses. (I hereby admit that my “fun” bar is pretty low.) For this task, I highly recommend using QuickBooks Online Self-Employed’s iOS app. It’s much faster and a little like playing a game dealing cards from a deck. As the app presents an expense, you swipe left to mark it as a business expense or swipe right to make it a personal expense. It is possible to perform this same task using the Web app, but I found the process less efficient, particularly when using the QuickBooks Online Self-Employed home screen, because it often hung after one or two clicks.

Once you’ve split your transactions into personal and business expenses, QuickBooks Online Self-Employed hides your personal expenses and only displays your business information. Graphs display your business income and expenses and provide information on your estimated quarterly tax payments. You can also see a breakdown of your expenses by category and a full Schedule C breakdown of your income and expenses.

The software has a nice tool for tracking mileage so that you get a proper deduction on your taxes. Using the Web app, you add trips and

the miles you've travelled, and QuickBooks Online Self-Employed uses whatever the current IRS mileage rate is to calculate your deduction. Alas, this feature is not fully formed, particularly with regard to the iOS app. The most obvious implementation of this feature would be to have something within the iOS app to enter beginning and ending mileage while you're in the car and have the app automatically calculate everything else. Instead, you'll need to use some other tool to collect mileage information and then manually enter it in the Web app.

YOUR BOTTOM LINE AT A GLANCE

What QuickBooks Online Self-Employed does quite well is help take the guesswork out of determining how much actual income you're making throughout the year. By taking your income and reducing that number by how much you've had to spend and how much you expect to pay in taxes, you can easily see how much money you've actually made in real,

Taxes

How to make your estimated tax payment

Follow these steps to make your payment:

- Select the amount to pay:
 - ☒ \$192.45 (overdue amount)
 - ☐ A different amount:
- Write a check for \$192.45 payable to "United States Treasury"
- Enter "2014 Form 1040-ES" and your SSN on your check
- Select your state:

Mail your estimated tax voucher and check to the address shown below:

Internal Revenue Service
P.O. Box 37067
Hartford, CT 06176-7067
- Fill out and print the coupon shown below:

Form 1040-ES
Department of the Treasury
Internal Revenue Service

2014 Estimated Tax

File only if you are making a payment of estimated tax by check or money order. Mail this voucher with your check or money order payable to "United States Treasury." Write your social security number and 2014 Form 1040-ES* on your check or money order. Do not send cash, Enclosed, but do not staple or attach, your payment with this voucher.

Payment Voucher 4
(OMB No. 1545-0046)

Calendar year - Due
Amount of estimated tax you are paying by check or money order: Dollars Cents 100 100

Print on Side	Your first name and initial	Your last name	Your social security number
	TestAccount		
	If joint payment, complete for spouse		
	Spouse's first name and initial	Spouse's last name	Spouse's social security number
	Address (number, street, and apt. no.)		
City, state, and ZIP code. (If a foreign address, enter city, also complete spaces below.)			
Foreign country name		Foreign province/country	Foreign postal code

For Privacy Act and Paperwork Reduction Act Notice, see instructions.

Form 1040-ES (2014)

QUICKBOOKS SELF-EMPLOYED provides you with simple tools for viewing your tax liabilities and for printing your 1040-ES.

spendable income on a biweekly, monthly, quarterly, and yearly basis.

As anyone owning a business knows, there's nothing worse than calculating your taxes at the end of the year, only to discover that, not only do you owe a fair amount of money to the IRS, but you also have to pay the IRS penalties because you should have been paying quarterly estimated taxes throughout the year. QuickBooks Online Self-Employed keeps track of how much you should be paying in quarterly taxes, warns you in advance of when the taxes are due, and automatically enters information into your 1040-ES so you can print it and send it with a check to the IRS. Plus, no surprises here, you can export all of the information you collect using QuickBooks Online Self-Employed directly into Intuit's TurboTax application.

QUICKBOOKS ONLINE SELF-EMPLOYED LACKS SOME FEATURES I'D LIKE TO SEE, CHIEF OF WHICH IS SOME KIND OF TOOL FOR CREATING INVOICES OR DIGITAL RECEIPTS.

QuickBooks Online Self-Employed lacks some features I'd like to see, chief of which is some kind of tool for creating invoices or digital receipts. I don't expect the application to be a full-fledged accounting tool for smaller businesses—it's definitely more Quicken on steroids than a trimmed-down QuickBooks. But I'd appreciate a simple way to provide customers with proof of work completed, which would also serve as a means of linking income to a job or task. The Web app also provides little in the way of reporting. It does provide a nice graphical breakdown of your income and expenses, with a focus on how your business is doing and the option to view a Schedule C breakdown. But it would be useful to have a small set of built-in reports, like income and expenses, profit and loss, or at the very least a CSV export of income and expenses.

BOTTOM LINE

QuickBooks Online Self-Employed is an interesting application with a very specific type of user in mind. If you're a sole proprietor or small business owner who doesn't have to file a separate set of tax forms for your business and you commingle your personal and business income in the same checking and credit accounts, QuickBooks Online Self-Employed will help you make the most you can without having to pay more than you should to the IRS. ■

Welcome to Greenbot,
a website for
Android enthusiasts.



We've got the 'droid info you're looking for.
Helpful tips, critical reviews, and expert
analysis for passionate Android users
of every experience level.

www.greenbot.com



Hot Stuff

What We're Raving About This Month



GARMIN VIVOSMART

By choosing not to go head-to-head against the Apple Watch, Garmin's \$170 Vivosmart (garmin.com) makes a compelling case for fitness enthusiasts who appreciate a few smart features in their fitness tracker. It keeps tabs on your activity by covering the number of steps you take, steps remaining to your daily goal, distance covered, calories burned, and time spent inactive, and syncs all of this info to your iPhone. Plus, its battery life is impressive: Garmin says the Vivosmart lasts up to seven days on a charge, and I easily surpassed that throughout my testing.—**CHUCK LA TOURNOUS**



iFORTE DELUXE UNITI SET

The \$299 Deluxe UNITI Set (iforte.com) is an all-in-one workstation that elevates your Mac's monitor for ergonomic awesomeness at two viewing heights with front-facing USB 3.0 ports and a 3.5mm audio jack. It also sports an integrated charging system that accommodates virtually any phone or tablet and includes a "nesting spot" to tuck away the keyboard, mouse, and other items on your desk.—**JOEL MATHIS**

Hot Stuff

What We're
Raving About
This Month

PHORM FOR iPAD MINI

Though it doesn't ship until Summer 2015, we're really excited about the \$99 Phorm for the iPad mini (getphorm.com). This case turns your iPad's screen into a tactile keyboard with the flip of a switch on the case's back. How? The Phorm actually uses fluid stored within the case's screen protector, which bumps up over the iPad mini's touchscreen keyboard to create finger guides when activated. When you're done typing, just toggle the switch to "off," and your iPad's screen returns to normal. It sounds like a writer's dream.—**LEAH YAMSHON**





Plant a Billion rees

Join The Nature Conservancy to plant a billion trees,
one tree at a time, in the fight to end climate change
at plantabillion.org

The Nature
Conservancy 
Protecting nature. Preserving life.™



Share your location with iOS 8 (without creeping yourself out)

iOS 8 offers precise enough control over who can see your location and when, that even a privacy lover like Glenn Fleishman is on board.

BY GLENN FLEISHMAN

don't consider myself an excessively private person nor think I'm a superspy in civilian clothes. But there's something about sharing my location with other people that gives me the heebie-jeebies. I absolutely don't want to do it all the time, but I love the ability to choose when, where, and to whom I do.

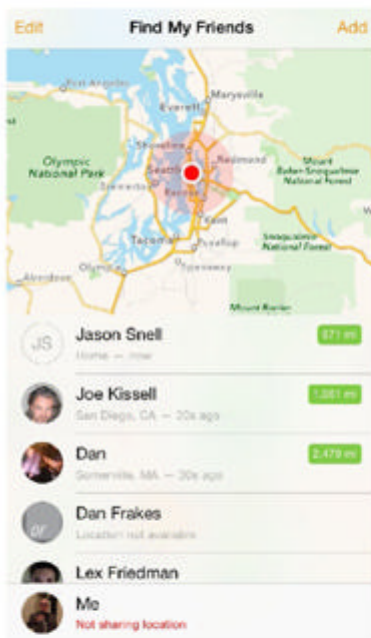
iOS 8 offers a host of ways to share your location with other people, some of which appear for the first time in this release. Each method of sharing brings with it a complementary control that lets you either disable it temporarily, stop sharing entirely to a given individual, or set a time-bounded limit.

These controls neatly offset my burbles about privacy. Apple has responded to these sorts of worries by making fine-grained options available. This article will familiarize you with the four ways you can share location in iOS, which may include methods you don't know about.

It's an interesting set of intersections between temporal, loose ties, and strong ties.

Whenever the global iOS Share My Location option (*Settings* → *Privacy* → *Location Services* → *Share My Location*, or *Settings* → *iCloud* → *Share My Location*) is enabled, everyone with whom you've opted to send your details can see where you are. The view will show either or both groups Friends and Family, depending on whom you've added.

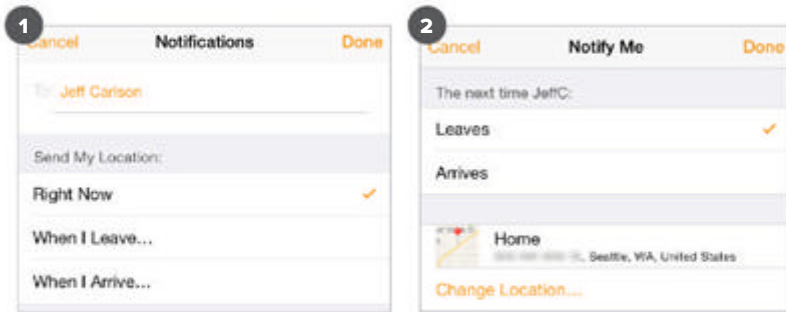
The Share My Location section in



FIND MY FRIENDS shows everyone who has shared his or her location with you, and their current known location.

Settings also lets you remove people you're tracking one at a time, no matter by which method you follow them, by tapping a name and tapping Stop Sharing My Location. They remain "following" your location, however, if they were before.

It also lets you pick your "presence," which device you want to announce your location, out of your set of devices



FIND MY FRIENDS offers multiple kinds timing for geofence notifications (1). Geofencing your alerts (2) can be set to notify you of other people's movements within the app.

logged into the same iCloud account. You can select this either in *Share My Location* → *From*, and picking a listed device, or in Find My Friends. This is useful if you're carrying an iPad and iPhone, and turn the iPhone off for power reasons, or leave one of those behind and want to show your presence from the device you have you.

FIND MY FRIENDS

What it's good for: sharing your current location with optional geofencing notifications with up to 50 close, personal friends.

The Find My Friends app (shown as Find Friends on the iOS home screen), introduced in late 2011, is the oldest method of sharing location. It helped me snag a ride for the first time in January 2012 as I noticed friends driving near San Francisco's airport.

The notion is that you add and remove people you know with whom you want to share your location as a

binary thing—on or off. The app is asymmetrical in that you can add up to 50 people with whom you choose to share your location, and view the locations of up to 50 people who don't need to be the same folks. You can invite friends and they can invite you. (You can disable incoming requests by tapping the Me item in the Friends list and disabling Allow Friend Requests.)

Tap Add, and a list of potential parties with whom you can share appear. It isn't your full Contacts list but, rather, seemingly filtered by those people who have an email address that is also an Apple ID. Select one or more people, and tap Invite, and they will receive an alert and can opt to follow you or not.

Find My Friends used to let you set up both a quasi-permanent group from which you can add and remove people, as well as time-bound temporary events. Temporary or ad hoc groups have now been moved to

iMessage, described later.

Where I start to feel a bit of squick is with the geofencing options.

Geofencing is a nifty feature that lets you attach an action to moving into or out of a defined geographic area. Of course, this is all opt in: nobody gets alerts about your movements without your explicitly setting it up.

Tapping the Me button and then tapping Notifications lets you set up a list of people with whom you want to give them alerts. Right Now pushes your current place, while When I Leave and When I Arrive sends the note when your state changes. This can be one-time, or, by tapping Repeat Every Time, recurring. To prevent a series of notifications, you can drag the geofence, shown as an orange shaded circle, further away to encompass more variation in location, such as across an entire college campus or large building up to cities or states. The limit is a 1,500-mile radius.

If your children (or perhaps elderly relatives, with permission) have cellular-enabled iOS devices, being able to know when they arrive or leave school, home, or other locations can be a passive way to obtain peace of mind without the necessity to text or call from either end of that relationship.

This works in reverse, too, as anyone sharing his or her location with you can be pinned down as well. Tap a

contact in the Friends list, then tap Notify Me, and you can pick to be told when they Arrive or Leave their current location or any location you specify.

You can switch the device that's used for presence, as in the Settings app, by tapping the Me item and picking a device from Share My Location From section near the top.

FAMILY SHARING

What it's good for: letting your family members know where you are.

Family Sharing (go.macworld.com/fs) is a more intimate way to give up-to-date information on your whereabouts to those with whom you also trust with your iTunes purchases and other items.



SHARE MY LOCATION

combines a global off button, a presence choice, and a list who can see you.

The option, which works across iOS 8 and Yosemite, allows up to six people to share iTunes, iBooks, and App Store purchases (although not all in-app purchases). It also shares information via Find My Friends and Find My iPhone/Mac.

When enrolling in Family Sharing, each invited member can choose whether or not to allow tracking of their location; tapping Not Now defers the decision, and it can be changed later.

Apple grafted Family Sharing into iOS 8 so that it's available almost as a special group relative to Find My Friends. You use Find My Friends to see family members, and they're listed under a Family heading in the Share My Location options in Settings. As with Find My Friends, you can disable all location sharing or pick individuals and remove their ability to track you.

If you remove a family member, you can invite them back later, and they can confirm that they want to follow your position.

Family Sharing members can also use Find My iPhone for tracking as long as sharing is on, seeing where all devices that are both associated with an included iCloud account are located and have location sharing enabled. (When location sharing is off on a device, its online or offline status remains revealed, and it can

be forced to play a sound. With the Apple ID password for the account, it can also be put into Lost Mode.)

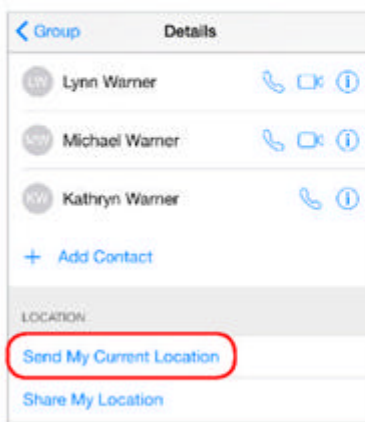
iMESSAGE

What it's good for: time-limited sharing of your location with one or more people.

iOS 8 baffled a number of people, if Apple's and other discussion boards are any indication, by moving temporary location sharing groups from Find My Friends into iMessage. (Apple's support note on Find My Friends remains out of date as well.)

With any individual or group iMessage, whether already underway or one you're starting by selecting a member or members, you can access sharing options by tapping the Details button to the right of the person or list of people's name.

You may tap Send My Current



iMESSAGE LETS you share your location as a Maps slice by tapping Send My Current Location.

Location to push a map slice to them of your whereabouts. If that map is tapping in Messages, it opens a Maps view within the Messages app. You can also tap Stop Sharing My Location, which turns off location sharing just as if you tapped in the Settings app.

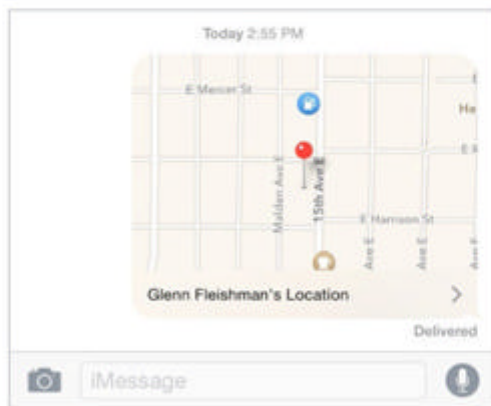
For individuals or groups that you're not already connected with, you can also tap Share My Location and choose among sharing for an hour, until the end of the day, or indefinitely. The last of those options is equivalent to adding someone to Find My Friends.

Apple says you may have up to 50 temporary groups with up to 50 people in each group.

MAPS

What it's good for: sending a static map, rather than enabling real-time tracking.

The last of these options is the simplest. Rather than send dynamic location information, you can share a map tile from the Maps app by tapping the Share button, and then choose a means of sending it.



iMESSAGE SENDS a section of the map as your current location, which can be tapped for a Maps view.

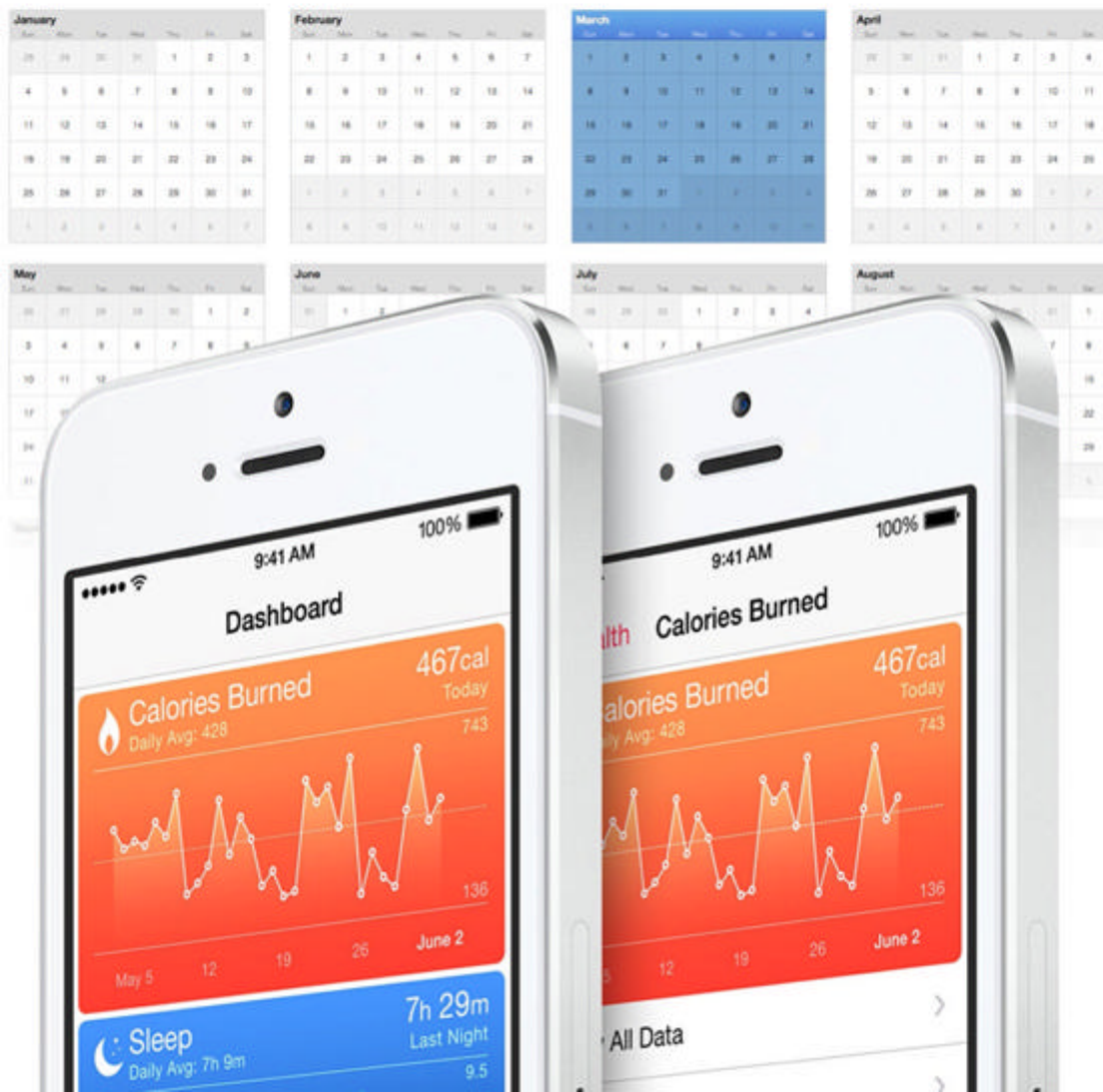
If sent via Messages, the map section works just as if you'd used Send My Current Location directly from Messages.

MR. KEEN, TRACER OF LOST PERSONS

A travel agency in my hometown had the slogan, "When you go, go away." Perhaps not the best thought-out motto, but it does summarize my general view on being out of sight. But when you travel, even between school and home, work and apartment, or with others, having the ability to be found—and choose when you are—reduces some of the stress associated with it. Pick wisely, and remember the "off" button. ■

My month as a HealthKit patient

BY MARCO TABINI



am truly a sucker for data. At my day job, I get to help businesses collect and analyze all kinds of information—a process that often leads to transformative change on the way our clients operate.

During my last physical, my doctor told me that it was time to start monitoring my weight and blood pressure, so naturally, I looked at this as an opportunity to try out HealthKit (go.macworld.com/hkit)—something that I had been looking forward to ever since Apple introduced it with the launch of iOS 8. A couple months in, I'm here to tell you all about my little adventure in the land of smartphone-powered healthcare.

A HEALTH-CENTRIC SHOPPING SPREE

Before I could start measuring everything Tabini, I would obviously have to acquire some new gear—namely, a scale and a blood pressure monitor. Luckily, this task was made somewhat easier by the fact that the list of HealthKit-compatible (go.macworld.com/kitcom) hardware

is not exactly rife with choice.

I settled for Withings' \$150 Smart Body Analyzer, and iHealth's \$80 BP7 Wireless Blood Pressure Monitor, both of which have somewhat mixed reviews online, but fared a bit better in recommendations from several friends who already own and use them.

As I was shopping, the first thing that I noticed is that this modern version of healthcare is a rich person's game: Both devices are significantly more expensive than comparable models designed to operate sans smartphone connectivity. But I decided to persevere, and placed my order through Apple's online store.



ITEM #1: Withings' Body Analyzer.

THE WEIGHT OF THINGS

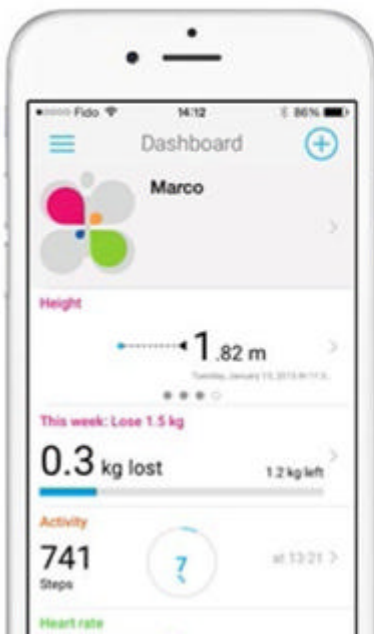
Since the Withings scale arrived at my door first, it was the first device that I installed and set up. Initially, I was taken aback by the documentation that came with it: The pictorial quick-start guide that I found in the box was so short on text that it would probably make an IKEA instruction sheet look positively verbose.

The scale can either connect to a companion iOS app running on your iPhone via Bluetooth, or directly to a Wi-Fi network; either way, provided that connectivity is handy, the process is almost entirely automated and painless, which, perhaps, explains the lack of a thick instruction manual. The only hitch I encountered was that my original choice of installation spot (the inside of a walk-in closet) turned out to be out of network range—a fact previously unknown to me, since I do not typically use my iPhone inside it. Once I moved to my bedroom proper, the scale connected without problem and started working right away.

Besides your weight, the Body Analyzer can measure a number of other things: Your body fat/lean mass composition and pulse, the temperature of your room, and the percentage of carbon dioxide in the air. Perhaps most perplexingly, it will also check the weather for you, and let you know if it's raining or snowing outside.

Once you strip away all the gimmicks, the scale works remarkably well. Simply stepping on it starts it up and causes it to go through a cycle that measures all your vitals, lets you know whether you need an umbrella, and then immediately sends everything to your iPhone. Even better, the device can tell different people apart based on the data it collects from them, dispatching the resulting measurements to a different device automatically and making it the perfect family health companion.

The Body Analyzer is also quite accurate; I compared it against the doctor's own scale and they both came within a few ounces of each other. It's hard to say whether the body composi-



THE WITHINGS APP is full of colors and little motivational messages.

tion analysis and CO2 measurements work as well, but they are, in my opinion, much less important than providing you with a consistent picture of your weight over time.

THE PRESSURE IS ON

Compared to Withings' picture showcase, iHealth's pressure monitor comes with a nice manual that includes plenty of information and pictures. Unfortunately, these are a bit sparse when it comes to explaining the subtleties of properly positioning the wrist cuff when taking your blood pressure—a pretty common problem, at least judging by the device's online reviews.

Indeed, on my first try, the measurements were so high as to warrant a visit to the hospital—hardly an auspicious start. On account of the fact that my eyeballs weren't exploding, I decided to take a trip to YouTube instead, where I was able to find instructional videos that provided better guidance, and a few attempts later I was able to get reliable readings that did not involve calling 9-1-1.

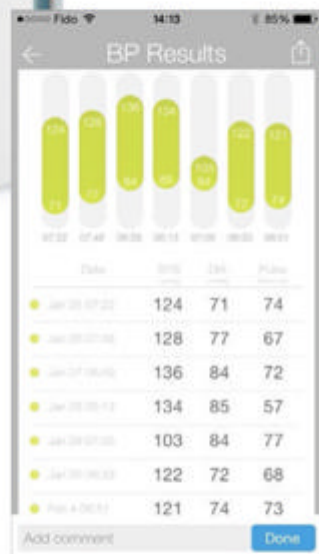
Unlike the Body Analyzer, the BP7 will only connect to an iPhone over Bluetooth, which isn't a big deal, given that you need your iPhone to start the pressure measurements anyway. The problem is that the device can only pair with a single smartphone, which makes it impos-



ITEM #2: iHealth's BP-7 wrist blood pressure monitor. The iHealth app has a simple display, but requires signing up with the company's cloud service.

sible for two people—say, a husband and wife—to share it.

Once you've figured out the proper way to do it, taking your blood pressure is a pretty simple affair. The device even comes with a convenient sensor that helps you appropriately position your arm, and the resulting measurements are—at least in my wholly unscientific experiments—about as accurate as my doctor's own pressure-measuring unit.



THE PROOF IN THE SOFTWARE

Of course, hardware is only half the story, and it's not until I started playing around with the health-centric software available for iOS that the frustrations began.

Both the Body Analyzer and BP7 come with their own apps, and I was a

little dismayed that the two pieces of software insist on keeping their own copy of my measurements, rather than simply relying on the built-in HealthKit database. They all but required me to sign up for an account on their respective cloud services—where, undoubtedly, my personal information now resides.

To be blunt, I find this approach pretty invasive. I was hoping that Apple would have put its corporate foot down over these shenanigans, at least when it comes to health data, and prevented vendors who wanted to get on the HealthKit train from attempting to make such brazen grabs for information that is pretty personal in nature.

This seems particularly important when you consider that neither app adds much value to the data that their devices collect. BP7's app simply keeps a running spreadsheet of my blood pressure, and Body Analyzer's makes a feeble attempt at gamifying everything from weight loss to the number of steps you take in a day—which is off-putting to the extreme.

Worst of all is Apple's own Health App, which takes a complex job—storing and visualizing all kinds of data about your health—and makes a pretty substandard job of it. For one thing, the charts it produces are hard to interpret, because it's impossible to tell exactly what value is associated

with each data point. Thus, you can more or less “guess” how your weight has changed over time, but the only way to tell exactly how much you weigh is to go look at the individual measurements, which are shown as a table in a different screen.

Unfortunately, this detailed view suffers from a fatal defect of its own: It takes longer and longer to load as you accumulate more data. To give you an example, my Steps screen, which contains information collected from the iPhone's built-in pedometer, takes several minutes to open up.



The screenshot shows the 'Steps' screen in the Health app. At the top, there's a title bar with 'Steps' in red, 'All Recorded Data' in black, and an 'Edit' button in red. Below this is a table with the following data points:

STEPS	Time	Action
8	Feb 11, 13:20	>
12	Feb 11, 13:20	>
6	Feb 11, 09:28	>
10	Feb 11, 09:28	>
8	Feb 11, 09:28	>
13	Feb 11, 09:28	>
4	Feb 11, 09:13	>
17	Feb 11, 09:13	>
18	Feb 11, 09:13	>
16	Feb 11, 09:13	>
18	Feb 11, 09:12	>

At the bottom of the screen is a navigation bar with four icons: 'Dashboard', 'Health Data', 'Sources', and 'Medical ID'.

THIS SCREEN, which represents every data point collected by my iPhone's built-in pedometer, takes minutes to load.

A MIXED BAG

Despite these hiccups, my experience with this “connected” way of managing my health has been very positive. During my most recent visit, I was able to show the doctor that my previous high blood pressure measurement really was a fluke, and the data from the Body Analyzer and pedometer helped us work on better ways to manage my weight and exercise regimen.

The only real disappointment in my little experiment was that, while the hardware performed really quite well, the software side of things seems to be limited to collecting the data and making a half-hearted attempt at visualizing it for you.

Call me cynical, but I don’t really know what to make of an app that cheers me on while I drudge through an attempt at changing my eating habits. Yet features like the ability to spot unusual, worrisome trends, or even just reminding me that I forgot to take my blood pressure on a given day, would be immensely valuable—and also happen to be things that software can do really well.

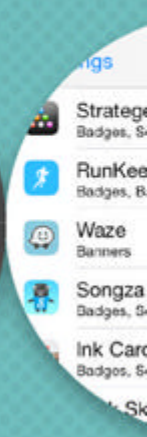
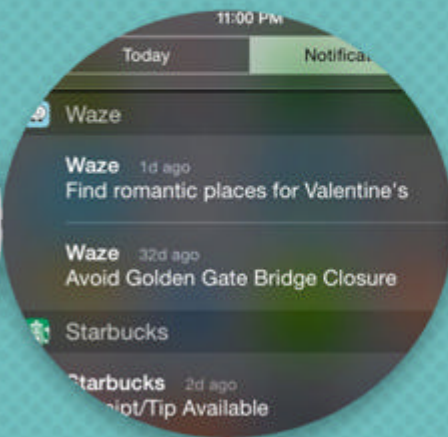
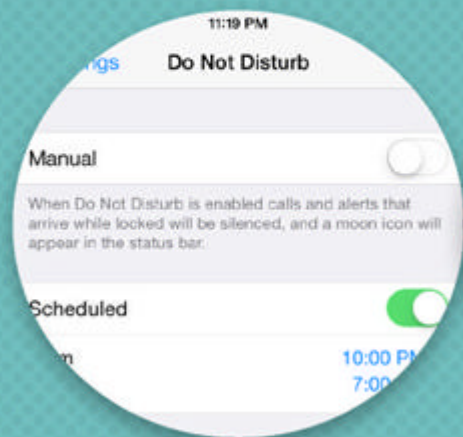
The good news is that these

**DESPITE THESE HICCUPS,
MY EXPERIENCE WITH THIS
“CONNECTED” WAY OF
MANAGING MY HEALTH HAS
BEEN VERY POSITIVE.**

technologies are still in their infancy, and the software is likely to improve with time, particularly as agencies like the FDA start taking connected devices into account.

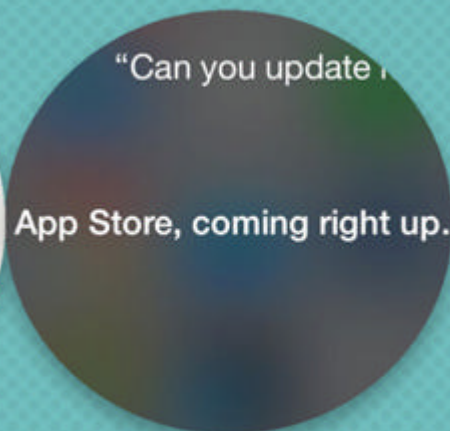
Until then, HealthKit’s major advantage over a pencil and a \$20 scale is primarily one of convenience; if, like me, you aren’t very good at keeping track of minutiae, there’s something to be said for the ability to walk into your doctor’s office with a full complement of health data at your disposal—it certainly makes for a more productive relationship with medical professionals.

If, on the other hand, record keeping is your strong suit, the additional expense connected with acquiring the hardware is unlikely to really give you more bang for your buck than a good old-fashioned spreadsheet. ■



6 things Apple should fix in iOS 9

BY SUSIE OCHS



It's not a shock to learn that Apple is always hard at work on the next big thing. There will always be another iPhone, a lighter MacBook Air, a faster iMac, and new operating systems to run on them. *9to5Mac* reports that, according to its unnamed sources, iOS 9 would focus not on new features, but rather on cleaning up iOS and making sure all the bells and whistles added in iOS 7 and iOS 8 work like they're supposed to, every time.

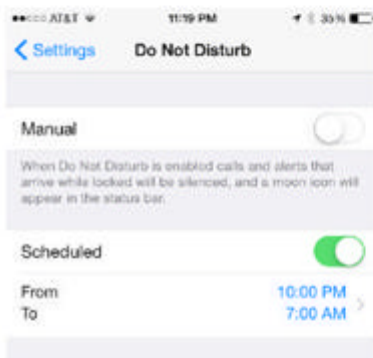
Think of it as the Snow Leopard of iOS. When Apple decided to slow the roll of feature creep in OS X 10.6, the result was an OS that didn't boast hundreds of new features, but turned out to be stable and reliable—and we loved it (go.macworld.com/love).

I can definitely live without a hundred new bells and whistles, but I do have some suggestions for Apple to shore up some existing features that could use a little polish.

LOCATION-BASED SETTINGS

1 Do Not Disturb can mute your ringer at certain times of day, and Reminders has geofencing support, so it doesn't seem like it would be too hard to build some of that set-it-and-forget-it functionality into other places in iOS 9's Settings app. For example, I'd love to have my passcode disabled when I'm connected to my home Wi-Fi network, and enabled again when I leave.

Even the Do Not Disturb feature could benefit from some geolocation

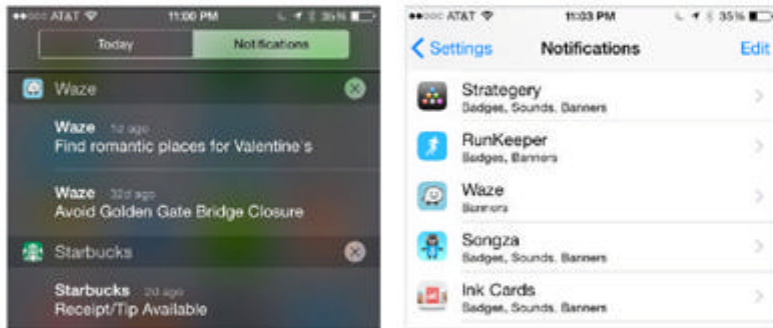


PLEASE PUT an additional setting here so Do Not Disturb only turns on at 10pm if I'm already home.

support—it doesn't have to go on at 11pm on nights when I'm traveling, especially if my iPhone is still out moving around the city, being actively used.

PRIORITIZED NOTIFICATION CENTER

2 Right now, Notification Center is a good idea with only a so-so implementation. Currently, my notifications show up in reverse chronological order with the most recent on top. That works some of the time, but I'd appreciate being



PLEASE LET NOTIFICATIONS EXPIRE. I don't need to know about that bridge closure from a month ago. Also, trying to find apps in the huge list in *Settings* → *Notifications* is a pain. Please add a gesture to let us jump to the right settings from inside Notification Center.

able to reorder the list, so important notifications such as VIP email and Messages always bubble up to the top, even if something more frivolous like Twitter or Facebook is a little more recent.

It'd be nice to set expiration dates for some apps' notifications too. That voicemail can stick around in Notification Center until I listen to it, but the nudge I just got from Peggle Blast should disappear by the next day. Oh, and here's something to steal from Android: One button to tap that clears the entire Notification Center.

SHORTCUTS TO NOTIFICATIONS SETTINGS

3 Speaking of Notification Center, the process of tweaking its settings could really be streamlined. Right now, it's generally easier to

delete the whole app when its notifications start to bug me than it is to dig into that huge list in *Settings* → *Notifications* and make the tweaks.

I think Notification Center itself should have a shortcut to those settings. I want to double-tap the app's name in the Notification Center list to jump right to that app's notification settings, so I can turn off notifications, limit them to one, kill the sound, banish them from the lock screen, and so on.

A NEW HEALTH APP

4 The Health app is terrible. Besides its complete lack (go.macworld.com/lack) of period-tracking support (way to ignore something half the population goes through monthly, Apple), its graphs are the opposite of helpful, showing you a jagged line scrawled over unlabeled axes. Uh, thanks for nothing.

I do realize that Health is a database and it's not designed to give you insights and actionable advice. Apple does need to let us look inside this database. It's kind of like looking at your medical chart—the info is yours, so of course you have the right to see it, but it's mostly gobbledygook unless you're a trained medical professional who can parse it. Since Health knows which metrics you're tracking, it could at least suggest HealthKit-enabled apps to help you make sense of those metrics and decide on a course of action. If you track active minutes, Health could suggest Lark. If you're interested in tracking calories, it could suggest MyFitnessPal.

Presently, Health can offer to share data with HealthKit apps you already have installed, but I think in iOS 9, Health should suggest new apps that fill in the gaps and fit with your lifestyle, like how Passbook can suggest apps that work with it, and Maps can point you to transit apps for your area.

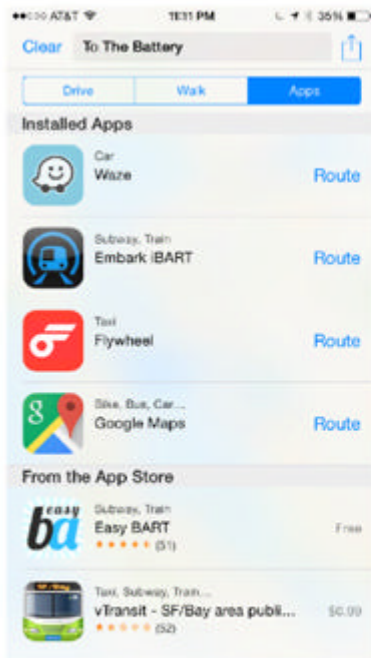
TRANSIT DIRECTIONS IN MAPS

5 On the subject of Maps, while it is more reliable than at its disastrous launch, it still doesn't have transit directions, which is just bad. I use Google Maps (for walking or transit) or Waze (for driving) pretty

exclusively as a result—but with CarPlay and the Apple Watch tying into Maps and only Maps, that's about to change. Please, Apple, give Maps an overhaul to make it more useful.

Rumors are swirling that this camera-laden Dodge Caravan could be collecting street-level data to improve the Street-View-esque Flyover feature in Maps. I'd rather just know when the next bus is coming without having to go to this hideous website (nextbus.com).

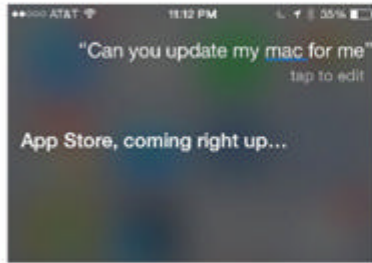
I KNOW IT'S WEIRD to complain about Maps recommending transit apps, while asking for Health to recommend HealthKit apps. But Maps has been doing this since iOS 6!



SIRI EVERYWHERE

6 One big advantage of putting those transit directions into Maps is that Siri will be able to tell me when the bus is coming, or if I walk a few more blocks to the train station, I'd get home faster. Siri is branching out beyond our iPhones and iPads—it's coming to the Apple Watch—and will be a huge part of HomeKit. I have got to believe it's destined to hit OS X this year, too. (Even Windows 10 has Cortana on the desktop, after all.)

As Siri starts responding to us from new and different devices, I think she could even start predicting what information we need next, a la Google Now. Passbook does this a little bit already, bringing up your boarding pass when you get to the airport, or surfacing your Starbucks gift card whenever you're nearby. CarPlay



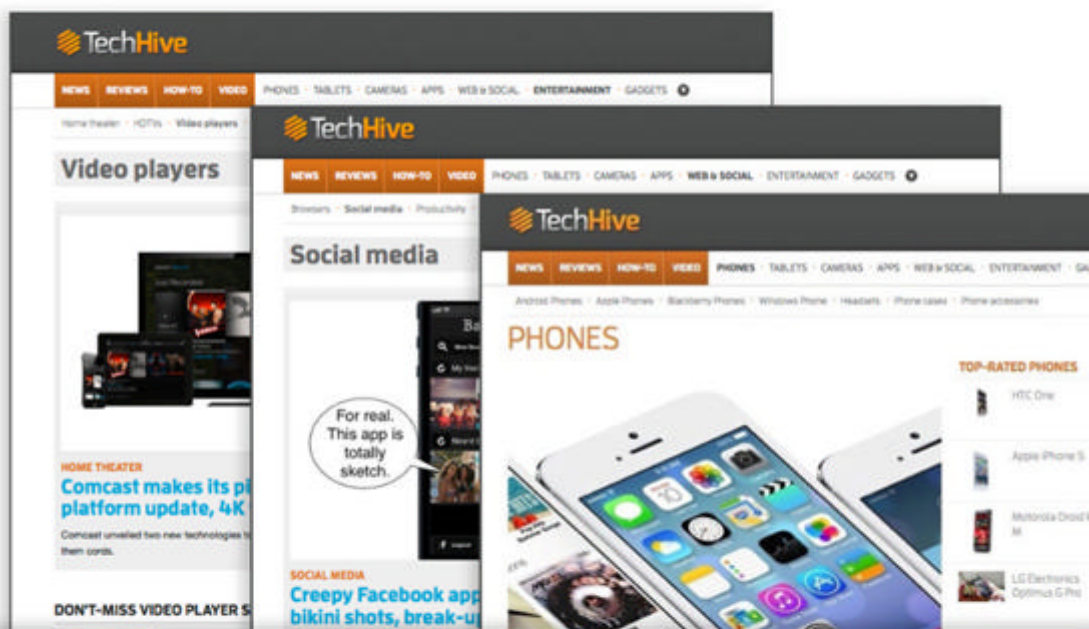
does a little bit too. If you drive from your office to your house at around 6pm every weekday, CarPlay will learn that pattern and offer that route to you before you have to ask for it.

Once I start using Siri across my Mac, iOS devices, car, and Apple Watch, certainly she could learn enough about my patterns to remind me when it's time to leave for a meeting across town, or send a note to my iPhone offering to update software on my Mac when she can see I'm not using it. ■

ONCE SIRI is on our wrists and in our Macs, "Continuity" will have a whole new layer of awesome.



News, tips, and reviews covering phones, tablets, apps, and all the other tech in your life.

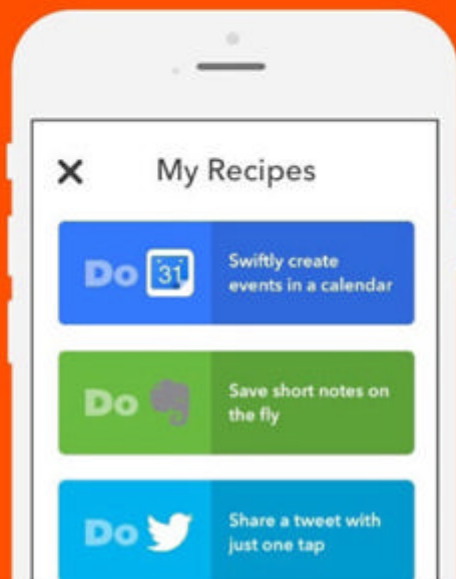


TechHive helps you find your tech sweet spot.

We steer you to products you'll love and show you how to get the most out of them.

www.techhive.com | Follow us



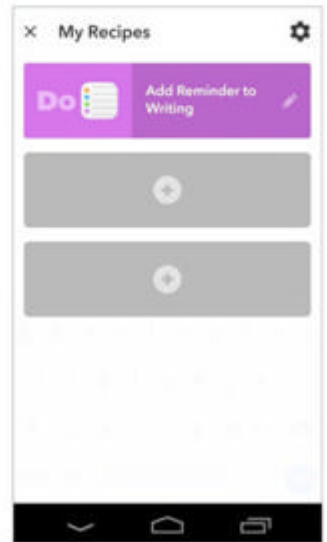
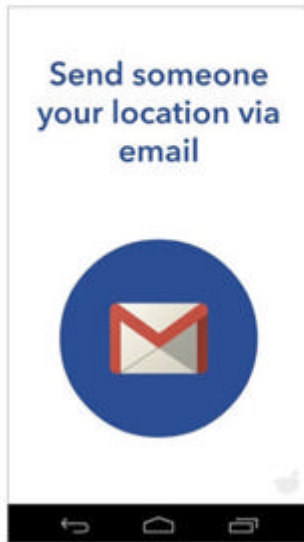


FIRST LOOK: IFTTT LAUNCHES THREE DO APPS FOR A CLUTTER-FREE EXPERIENCE

BY JASON CIPRIANI

IFTTT BASICALLY AUTOMATES the Internet, letting you create recipes to bridge various products and online services—you can get a text when there's rain in the forecast, for example, or have your Belkin WeMo Switch turn on your lamp when the sun goes down. While IFTTT (ifttt.com) works with dozens of popular services, all its functionality was rolled into one website and mobile app—until now.

FTTT has launched three new “Do” apps for iOS and Android, and the original IFTTT app we already know (go.macworld.com/iftt) and love is getting a new name—going forward, it's just IF (go.macworld.com/if). In



fact, IFTTT is now a company with two separate products, Do and IF.

The new Do apps are a play on what IFTTT is known for, but unlike the old IFTTT app experience, each of the new apps requires an explicit interaction on your part. Each app limits you to three recipes, which cuts the clutter and makes you more thoughtful about which three recipes to pick.

DO BUTTON, Do Camera, and Do Notes.

THE BIG TO-DO

Do Button (go.macworld.com/button), Do Camera (go.macworld.com/camera), and Do Notes (go.macworld.com/notes) each offer the means to connect many of IFTTT's channels to a button within the app (or the same button in a widget).

That digital button, when pressed, triggers a recipe. For example, within Do Camera, you can create a recipe that posts a photo to a specific Facebook album at the press of the shutter button (go.macworld.com/recipe1).

Within Do Notes you'll find only a text field and a button. The combination of the two makes it possible to quickly add an event to your Google Calendar, send a tweet, or save a quick idea to Evernote (go.macworld.com/recipe2) without having to deal with multiple apps.

Do Button creates a simple mechanism for you to set your Nest

thermostat to a specific temperature, control lights in your home, or fake a phone call (go.macworld.com/recipe3) to get out of an awkward situation. Launch the app, tap a button. As easy as pie.

The first time you launch any of the apps, you're greeted with a basic recipe. After that you can create and manage your own magical concoctions. If you're struggling to come up with an idea—as I was at first—the IFTTT team has curated recipes to get you started.

LIMITED BUTTONS, LIMITED CLUTTER

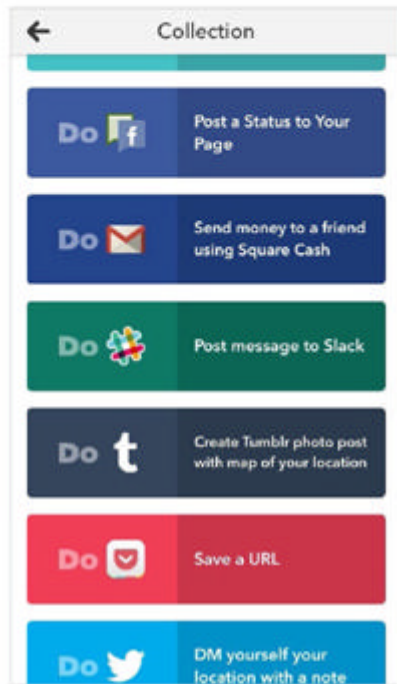
Curiously, each app is limited to three active buttons. This is a departure from the IF app, which allows for unlimited recipes. The thinking here, explained to me by IFTTT's CEO Linden Tibbets, is to eliminate the clutter and extra steps most apps and services often require for interaction.

That makes sense; I can't tell you the number of times I've tried to use a Reminders-like app only to stop using it because the process for entering information starts to feel like a chore. Tap here. Scroll down. Select that. Type there. Check this box. Deselect that box.

With Do Notes, you launch the app and start typing. When you're done, you tap on the button and close the app. A cheerful chime sounds when the recipe runs successfully, so you aren't left wondering if anything happened.

Not only does the limit of buttons streamline interaction, but it forces you to evaluate what's important. Instead of adding a recipe to your account on a whim, hoping you'll need it one day, you have to think through how valuable each action truly is. Well, in the Do apps, anyway—my IF account is still full of such less-than-essential recipes.

As with IFTTT, the usefulness of recipes can reveal themselves over time—like me, you may find yourself hemming and hawing over which recipes will benefit you the most. Three buttons times three apps—all crucial enough to need one-button access—can cause quite the inner debate. The convenience is certainly appealing, and I can't wait to see what recipes other users dream up. ■



YOU GET A lot of recipes to choose from. Just choose wisely.



PEACE CORPS

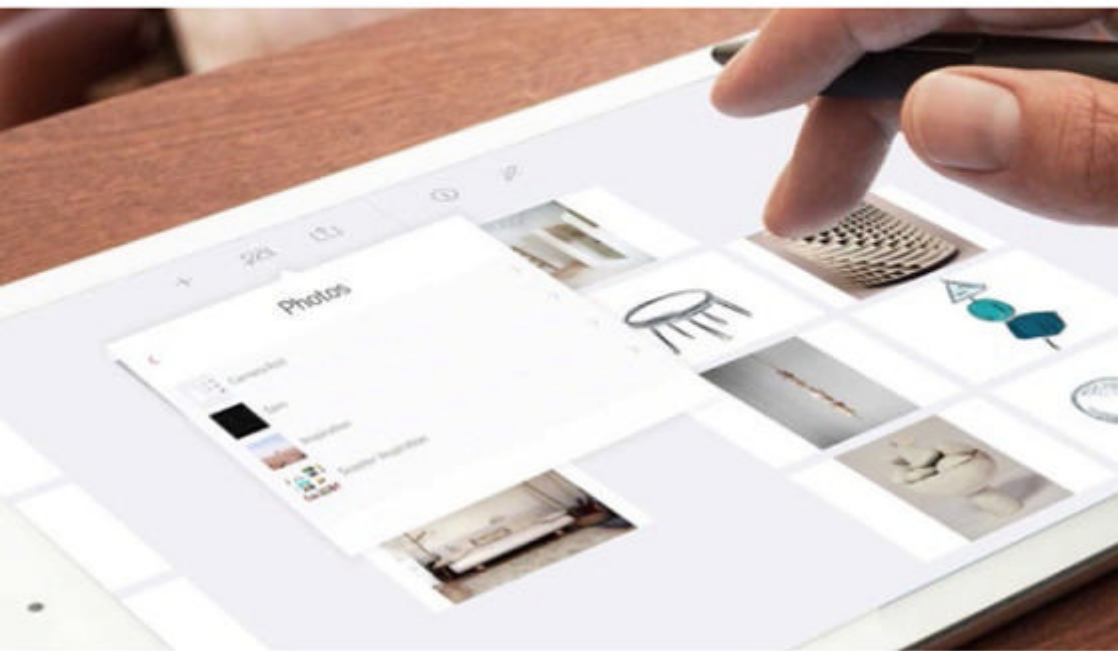
RESPONSE

3-12 MONTHS CAN MAKE A
LIFETIME OF DIFFERENCE

Peace Corps now offers short-term Volunteer assignments overseas for 3 months to 1 year for especially skilled professionals with at least 10 years experience.

Browse the opportunities on our website and register to receive alerts when new postings become available.

peacecorps.gov/response



FIRST LOOK: ADONIT'S FORGE APP IS BUILT FOR iPad BRAINSTORMING

BY JASON CIPRIANI

ADONIT IS TIRED of sitting on the sidelines as others build software to work with its line of iOS styluses.

Forge (adonit.net/forge), the company's first app, has been two years in the making, but it's more than a simple sketch app—it's a brainstorming tool.

Adonit's chief design officer, Peiter Buick, explained to me that Forge was inspired by employees within the company, built to duplicate the iterative process of storyboarding, sketching, and pinning ideas from every possible source onto your office wall.

The inspiration is evident once you begin using the free app (go.macworld.com/forge). The first time you open it, you'll see the demo Wall and its sketches. A single sheet of paper contains a rough outline of a

rider's head. In separate columns are different designs and color options for a helmet, sitting atop the original outline.

In addition to the free demo Wall, you get a blank Wall of your own to begin creating and thinking through ideas. An in-app purchase of \$4 unlocks unlimited Walls.

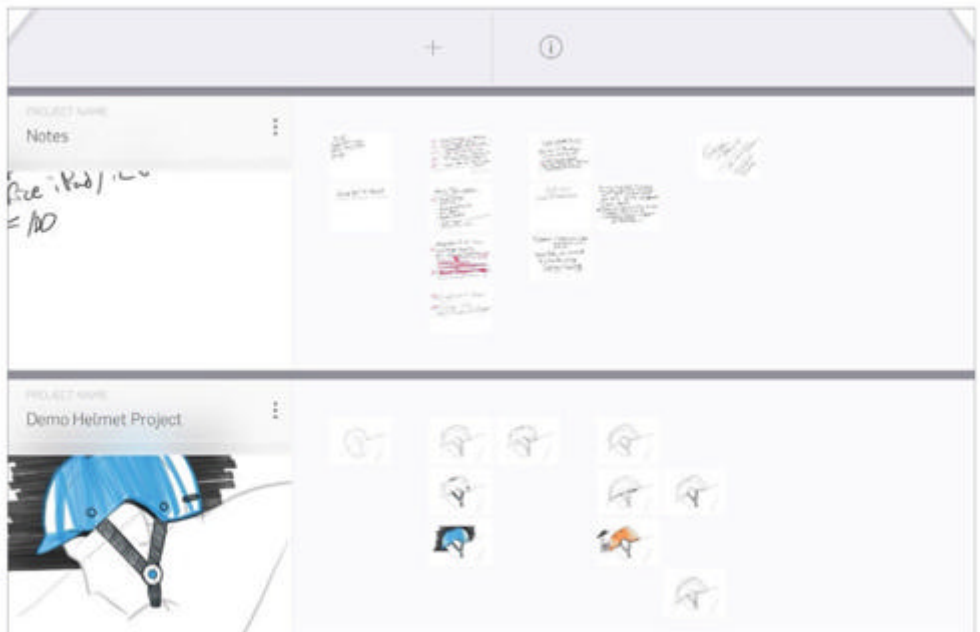
Through a series of double-taps and gestures, you can create new sketch on what amounts to a piece of paper. Each sheet contains a total of four possible layers, and you can combine and duplicate them to create yet another sketch, or as the app calls it, an iteration.

Naturally, the app is designed to work with Adonit's own hardware. I've been using it with the \$99 Jot Touch (adonit.net/jot/touch). Taking advantage of Apple Pay, Forge users can order a stylus from Adonit directly within the app.

WHO NEEDS THIS?

Admittedly, sketching isn't in my brainstorming bag of tricks (stick figures are more my speed), but I've still found Forge useful when outlining

FORGE IS BUILT around the concept of a wall.



stories and taking notes. With a quick swipe from the right-edge of the screen I have a blank sheet of paper awaiting my thoughts. I can then organize ideas, both vertically and horizontally as I see fit.

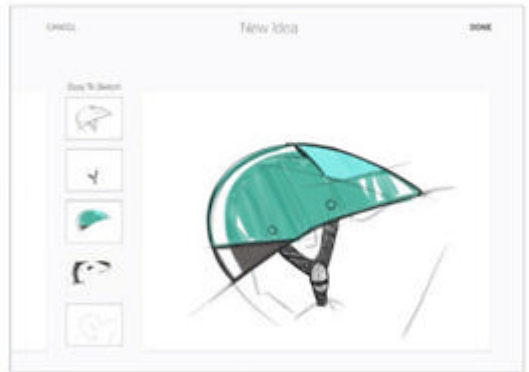
A quick pinch-to-zoom is akin to taking a step back from your wall and viewing your ideas as a whole. Reversing the gesture allows you to zoom in on a specific area and refine your work. This makes Forge good for mind-mapping too.

For someone who is constantly drawing, erasing, and re-drawing various logos or product designs, I can definitely see the appeal of Forge. With a tap or press of a button on a compatible stylus, the current sheet is duplicated, carrying over only the layers the user wants, allowing you to draw atop only parts of the previous idea.

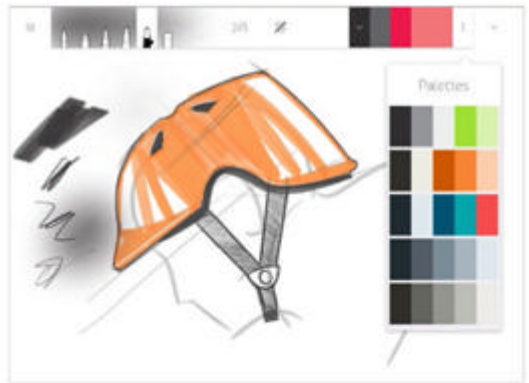
You can share papers between Walls by dragging them to either respective corner of the screen, bringing with it the feel of a desk littered with ideas. As the stack of papers are sitting, partially off screen, you can move between Walls and then drag each one into place without any fuss.

The sketching tools built into the app appear minimal, but in practice are far from it. Its set of five tools range from a pencil to an airbrush, and each one can be adjusted and customized. Nine predefined color palettes are available, or you can create your own.

Forge is available for iPad as a free download in the App Store. ■



EACH PIECE OF paper can have up to four layers.



THE TOOLS AND color palette features provide enough options without cluttering up the interface.

Macworld SUPERGUIDES



Master your Apple hardware and software with these in-depth guides from *Macworld* editors.



Download free samples of our 25+ titles now.



macworld.com/superguide



FIRST LOOK: ASTROPAD TURNS YOUR iPad INTO A GRAPHICS TABLET FOR YOUR MAC

BY JULIO OJEDA-ZAPATA

HEAVEN FOR A HARDCORE graphic artist or photo editor is a Wacom Cintiq (go.macworld.com/cintiq), one of those fancy input devices that builds in a display and includes a pen stylus for drawing, painting, or retouching photos. They're amazing, but they're pricey and not the most mobile.

What if graphic artists on a shoestring could simply use their iPads, at a fraction of the cost and with glorious portability? Astro-HQ wants to make that possible with software that transforms an iPad into a Mac graphics tablet. Founders Giovanni Donelli and Matt Ronge are even former Apple engineers.

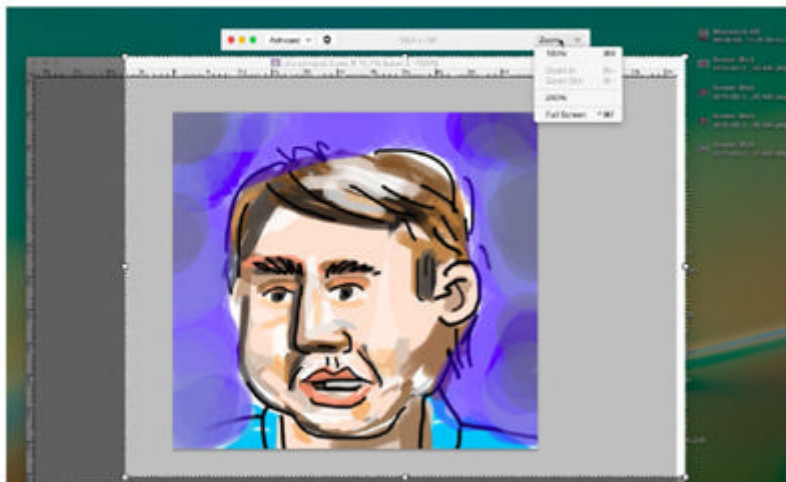
Their product, Astropad (astropad.com), consists of companion apps for Mac and iPad (go.macworld.com/app). With the apps installed, the tablet links to the computer via Wi-Fi or a syncing cable to become a touchscreen editing surface for just about any Mac-based graphics program.

DRAW ON YOUR IPAD TO DRAW ON YOUR MAC

Astropad unifies the iPad and Mac screens into one mirrored interface, with the tablet typically zoomed in to a portion of a work area that is shown in its entirety on the Mac. You can zoom and pan on the tablet to move around a graphics project in progress, glancing over to the Mac screen for reference. A set of buttons on the side of the iPad's screen provides access to Mac commands and shortcuts, so you don't have to switch to your computer as often.

Customized Photoshop controls work well out of the gate, including a floating palette with Adobe-specific tools on the right side of the iPad screen. But the developers say the commands also work fine with other Mac graphics programs, and you can customize them as needed.

Astropad has been designed to work with popular stylus models such as Adonit's \$30 Jot Pro, Wacom's Bamboo line, and FiftyThree's \$50 Pencil. Some styluses incorporate pressure sensitivity, which is important



THE ASTROPAD SOFTWARE on the Mac shows which part of your image is editable on the iPad's screen. You can zoom in with controls on the Mac or on the iPad.

since iPads do not natively build in this capability the way pro graphics displays do. Astropad even lets you program the buttons on such styluses for specific functions.

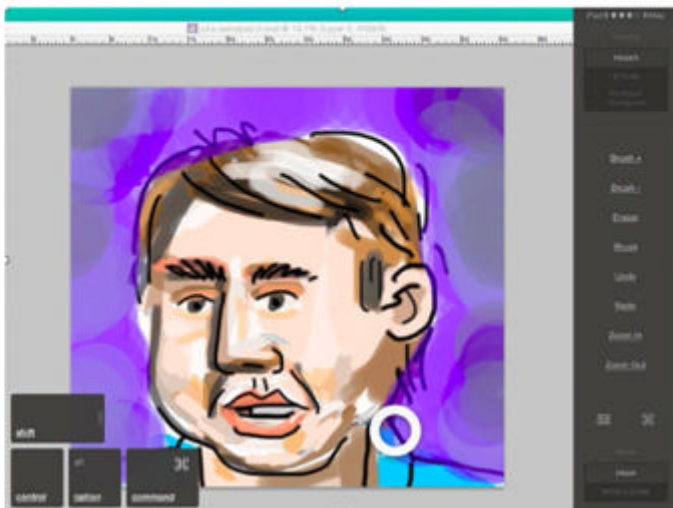
The developers are crossing their fingers at rumors of an imminent Apple-branded stylus (go.macworld.com/stylus), as well, since they think that would help put their apps on the map. (So would a much-rumored 12-inch iPad Pro, they believe.)

Astropad is not an entirely new idea. Rival apps such as Air Stylus and Limner provide similar capabilities. But Astro-HQ claims superiority over competing apps in a few key ways. First, images on the iPad have been “color-corrected to match what is on the Mac,” says Ronge, and the software aims for “really high image quality.”

“We have focused on the fidelity of the pixels,” Ronge explains. “With other apps, you see JPEG artifacts, fuzzy things around text, and hard edges. Someone with trained eyes, like an artist, will pick up that stuff.”

The developers say they also focused on Astropad’s performance, because other attempts to make an iPad a satellite to a Mac have been marred by lag and stuttering. Astropad is supposed to greatly enhance graphics fluidity and responsiveness via a software engine the developers call “Liquid.”

Astro-HQ also claims greater stylus compatibility than competitors. Limner, for instance, only works with a trio of styluses, but Astropad should work with just about any iPad-compatible stylus now on the market. Astro-HQ also claims nearly universal Mac-app compatibility, meaning any Mac graphics program should work with Astropad, while Air Stylus works with some apps but not others.



THE DEVELOPERS FOCUSED on image quality, so designers and artists can zoom way in when working on their images.

TEST DRIVE

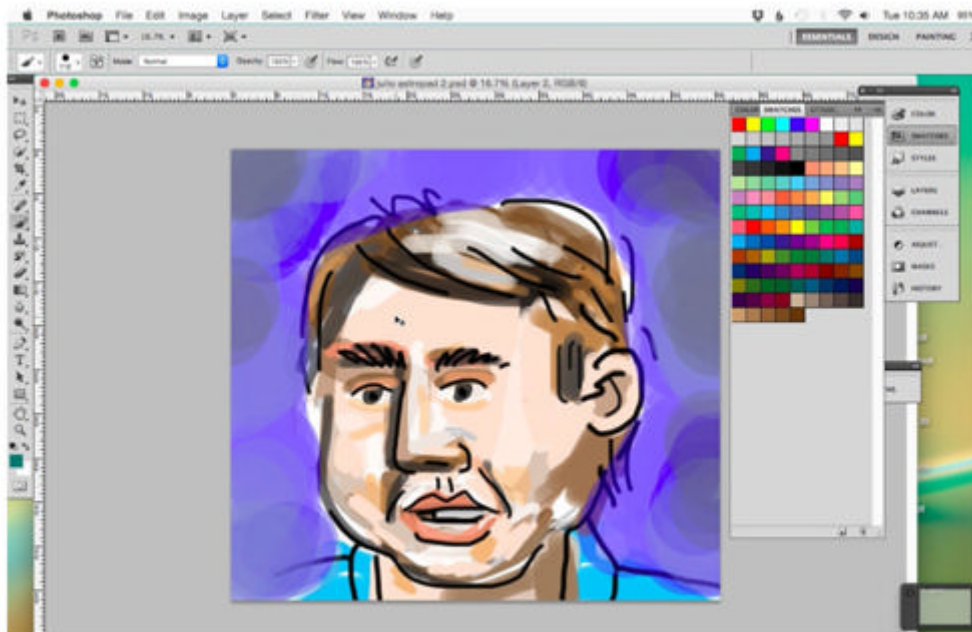
At \$50, Astropad isn't insanely expensive, although it is priced like a professional-grade app. So we handed it to David Steinlicht, a professional cartoonist with two published comic-strip volumes to his name. Steinlicht tried Astropad with Photoshop CS5 and Studio Neat's Cosmonaut stylus (go.macworld.com/neat) on a MacBook Air and year-old iPad mini 2.

The small iPad felt a bit claustrophobic, he said, adding, "I wonder if it would have been a little more fun using a full-sized iPad." But he found Astropad "very easy to get going."

Steinlicht has never used a Cintiq-style pen display, only a traditional Wacom graphics tablet with no screen, so "seeing the drawing appear on the iPad, right underneath the stylus, is sweet! That is the way it should be."

Steinlicht encountered minor performance issues, but said these weren't deal breakers. "I feel the traditional Wacom input is a little more instantaneous," he said. "But the lag is not that noticeable while

WITH ASTROPAD'S MAC app in the background, you just see your image being drawn right in Photoshop or whatever graphics app you're using.





using Astropad.”

Using Astropad effectively required a bit of practice, too. “I had a little bit of a time understanding what it was doing, what was an active area (on the iPad) and not,” Steinlicht said. “I think I was slightly confused because I have not really used a Wacom tablet for a while. This program really spells out what is an active area. On the Wacom, it just works or doesn’t.”

He isn’t sure he’d keep using Astropad, but it’s “very nice stuff. I enjoyed playing with it. It gave me a peek into what having a Cintiq would be like.” Steinlicht whipped up four images using Astropad. Three were drawn from scratch, and the fourth, an image of the late *New York Times* writer David Carr, is a tracing of a photo found on the Internet.

One final Astropad note: If the dog that is part of the product’s logo seems familiar, that is because it’s a variation on Apple’s famed Dogcow. The developers said they have been inspired by that and other Apple classics, such as the pioneering MacPaint app bundled with the first Macs.

And, as Steinlicht observes, it might not be coincidental that the pet dog in the beloved cartoon *The Jetsons* is called...Astro. ■

ASTRO THE Cow-like Dog is a nod to Clarus the Dogcow.



EXPLORE THE FAR CORNERS OF THE GALAXY AND FIND YOURSELF.

MAKE MORE. **TEACH.**

Teachers today take learning far beyond the four walls of the classroom, transforming old lessons into interactive experiences, and discovering what it means to make more. **Teach.org**



TEACH 



BRYDGEAIR: THIS KEYBOARD CASE MAKES YOUR iPad FEEL LIKE A LAPTOP

BY JASON CIPRIANI

The BrydgeAir (brydgekeyboards.com) keyboard is unlike any iPad accessory I've used before. With integrated speakers underneath a backlit keyboard with a 180-degree hinge, it makes your iPad feel like a laptop, and that's the entire point.

In a market of nearly identical iPad keyboards that offer the same core features, Brydge is trying to set itself apart. After spending the last week with its solution for the iPad Air 2, I'd say it does just that.

FAMILIAR, YET DIFFERENT

As with nearly all iPad keyboards, the Brydge is equipped with the standard Mac keyboard layout. The keys are a bit smaller than those

BRYDGEAIR



AT A GLANCE:

For those looking to complete the look and feel converting an iPad into a mini-MacBook Air, and don't mind the additional bulk.

PROS:

- Multiple viewing angles.
- Sturdy aluminum construction.
- Adds more weight over a plastic keyboard case.

CONS:

- Speakers are just OK.
- iPad battery life suffered.

PRICE:

\$169

COMPANY:

brydgekeyboards.com

found on the Logitech Ultrathin Keyboard Cover (go.macworld.com/ultra), and appear to have the same amount of travel, yet offer less resistance. In my use, less resistance translated into an adjustment period of accidentally entering letters when I merely intended to rest my fingers on keys. After using the keyboard for a few hours, I was acclimated and typing relatively error free.

Along the top of the keyboard is a row of shortcut keys offering a Home button, lock key, media, brightness and volume controls. In the lower-left corner is a shortcut key to activate Siri.

One of the shortcut keys activates the keyboard's backlit keys, which is a feature I appreciate immensely. Backlit keys make it possible to use the keyboard in the dark without having to squint or move the iPad's lit screen closer to the keyboard to find a shortcut key. I do wish there was an option to adjust the brightness of the backlit keys, instead of only an off or on option.

Instead of using the go-to material of plastic for the housing, the BrydgeAir is made of aluminum. It feels solid, but the sturdy material also translates into additional weight in your backpack. The BrydgeAir weighs 1.15 pounds. In comparison the iPad Air is 0.96 pound, grams, and Logitech's Ultrathin Keyboard Cover is 0.73 pound, about half as heavy as the BrydgeAir. For some, the additional bulk is potentially a deal breaker.



THOSE HINGES

Equipped with two hinges, each lined with a silicone shim, the BrydgeAir holds your iPad into place impressively well. It takes a significant amount of force to remove your iPad from the hinges. Additionally, when touching the screen there's hardly any play, resulting in little to no bouncing of the screen compared to other keyboards.

The hinges provide for multiple viewing angles, making it one of the only iPad keyboards I've used that has made it possible to comfortably work at a standing desk, a table, or sitting on a couch with the keyboard in my lap.

When the BrydgeAir is closed, two small pads in the front corners of

THE BRYDGEAIR HAS pads to keep your iPad from contacting the metal keyboard piece when it's closed, but one of ours fell off and got lost.

the keyboard prevent your tablet from resting on the aluminum housing. Within the first two hours of using the keyboard, one of the pads came unglued and was laying on my desk. I attempted to place it back into its channel, only to find a few hours later it had again fallen out. This time I was unable to locate it, leaving one corner of my iPad unprotected from the housing.

So far I haven't found any scratches on the face of my iPad, but over time I can see where it could become an issue. For what it's worth, the other pad is firmly in place showing no signs of improper installation (in fact, I forcibly tried to remove it without success).



THE BRYDGEAIR COMES in space gray, silver, and gold to match your iPad Air or Air 2, but gold is an extra \$20.

SPEAKERS... IN A KEYBOARD?

When using the BrydgeAir I was surprised at how much the setup resembled the look of a smaller MacBook Air—and sounded like one too, thanks to two small Bluetooth speakers located next to the hinges on the keyboard.

After the initial pairing process, you need to hold down the speaker button (located next to the power switch on the front edge of the keyboard) for a few seconds to connect to your tablet. A chime will sound to indicate that the speakers and your iPad are connected. To disconnect, the speakers, you'll hold down the same button until another chime is heard. The ability to connect to either the keyboard or speakers—independent of one another—is a convenient way to save battery life on both devices.

Speaking of battery life, my iPad's battery life took a hit when using just the keyboard (beyond the normal decrease in battery when connected to an external keyboard). Usually I get roughly two days of use between charges, but during my testing of the BrydgeAir, I was charging my iPad Air 2 every night.

The speakers aren't the best I've ever heard, but they do offer a marked improvement over the iPad's speakers. At a minimum, they eliminate the need to cup your hand around the speaker of your iPad when in a loud environment.

BOTTOM LINE

The BrydgeAir brings more functionality to the iPad than other keyboards in this category. The speakers sound OK, but not great. The backlit keys are an appreciated feature, as is the sturdy hinge and multiple viewing angles. Battery life takes a bit of a hit when you're using both the keyboard and speakers at the same time, but that's to be expected.

For those looking to complete the look and feel converting an iPad into a mini-MacBook Air, and don't mind the additional bulk, the BrydgeAir is worth a look. ■



THE SPEAKERS ARE just OK, but the backlit keys make the BrydgeAir easier to use in the dark.

What's new at the App Store



POP: VIDEO TEXTING

The free Pop (go.macworld.com/pop) app for iPhone lets you send short video messages to your friends. Just record and send; you can even create a favorites list of your “superfriends” to send your most-frequent messages to.

Jolly Jam



The free Jolly Jam game (go.macworld.com/jolly) for iPhone is, uh, well...

Let's let the developers explain: “A fresh puzzle game that will surely make you jolly! Prince Jam needs YOU to help save Princess Honey and the Jelly Kingdom.” In-app purchases of \$1 a pop let you buy extra lives. (And yes, this is a match-three puzzler.)

Frozen: Story Theater



Are your kids still singing “Let It Go?” They'll probably enjoy the \$6 Frozen: Story Theater (go.macworld.com/go) for iOS. “Imagine your own Frozen story as you record your voice; add characters, props, and music; and share your movies with friends and family!” Your kids might never let it go.

Short



Short (go.macworld.com/short) imports reads from your favorite apps like Pocket, Instapaper, Readability, and ReadingPack and wants to help you to keep up with your reading list” by organizing and offering the shortest reads—five to 10 minutes—first.—JOEL MATHIS

iOS-compatible devices in the spotlight

Let's look at a new device that became real thanks to crowdfunding by Kickstarter. Plus batteries, stands, and Bluetooth speakers.

BY MARCO TABINI



ALLO BIKE MOUNT

The Allo Bike Mount (theallobikemount.com) is billed as the “world’s first all-in-one bike mount and speaker”—a safer alternative to using earbuds while still listening to music or conducting phone calls while you’re zipping down the street or up mountain trails. The hardened plastic case protects the phone from scrapes if you get in an accident. The product has been funded through Kickstarter, but it’s not too late to get in and grab an “early bird special” price of \$40 for the device.

BEOLIT 15 BLUETOOTH SPEAKER

The \$599 Beolit 15 (beoplay.com) is a portable Bluetooth speaker: It features two 35-watt amps, a 5.5-inch driver, two four-inch passive bass radiators, and three 1.5-inch mid-range tweeters. Also, it comes in three soft pastel colors.



iOS-compatible devices in the spotlight

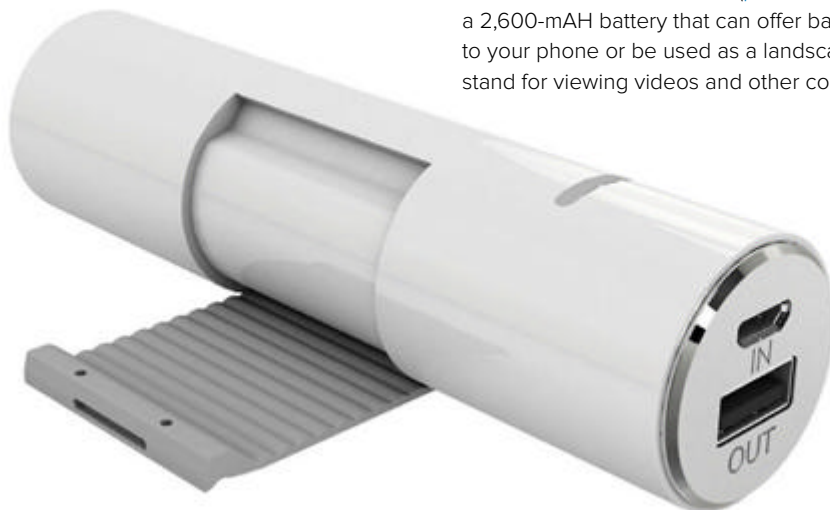
ECHO CONNECT PLUS

Here's another crowdfunded project that made its fund-raising goal: The Echo Connect Plus (byecho.com) is a dual-device charger, capable of linking to both iOS and Android products to provide a new charge. It's a Lightning and micro-USB cable boiled down to a small key-sized connector.



POWERSTAND BOOST

The \$20 PowerStand Boost (power-skin.com) is a 2,600-mAH battery that can offer backup power to your phone or be used as a landscape-mode stand for viewing videos and other content.





SPINPAD GRIP

The \$50 SpinPadGrip (bitemyapple.co) is an “all in one stand and handle” that makes it “easy to adjust to the perfect angle for conveniently typing, viewing pictures and videos, or showing off those pictures and videos to someone else.”

USB FEVER

Is this a novelty? Or a brilliant idea? The \$10 Neck Cushion With Built-in Bluetooth Speakers (usbfever.com) lets you rest while enjoying music and other audio—but keeps the sound low enough that your neighbors won’t be bothered.





FIRST
LOOK:



PHOTOS

FOR



OS X



Apple's iPhoto and Aperture are not long for this world. See what will replace them in this first look at the beta of Photos for the Mac. **By Christopher Breen**



LAST JUNE, APPLE ANNOUNCED THAT IT WOULD STOP development of its Aperture and iPhoto apps (go.macworld.com/stop) and offer a single photo app in their place—Photos for OS X. Today, developers are getting their first glimpse of Photos, as it's bundled with the beta version of OS X 10.10.3.

Providing many of the features found in its mobile sibling, the Yosemite-only Photos for OS X offers an interface less cluttered than iPhoto, improved navigation, simpler yet more powerful editing tools, the ability to sync all your images to iCloud (though it doesn't require you to), and new options for creating books, cards, slideshows, calendars, and prints. I've had the opportunity to take an early look at Photos, and this is what I've found.

THE LOOK

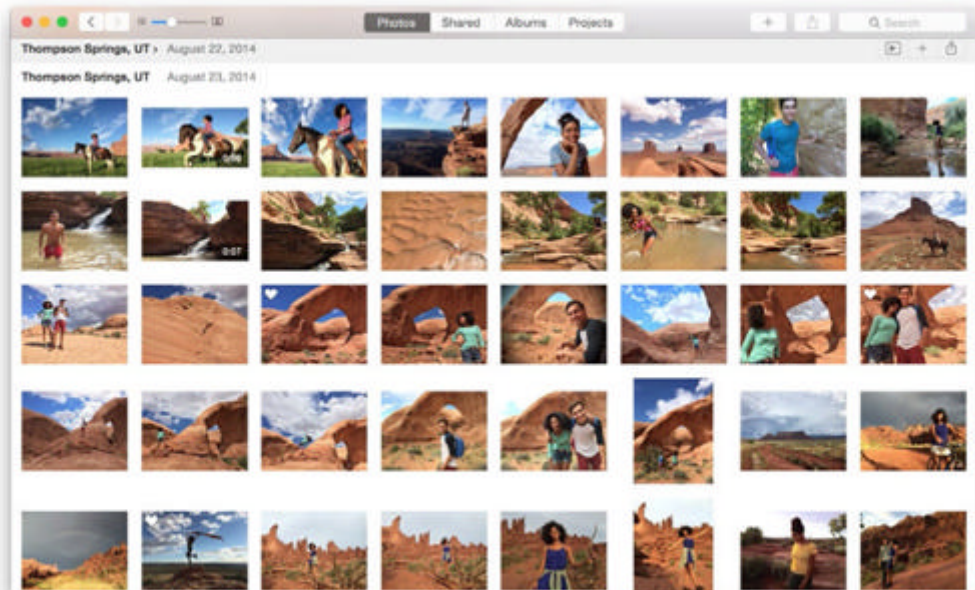
Photos has inherited some design elements from Apple's latest operating system as well as from iOS's Photos app. For example, there's a measure of transparency near the top of the window, reflecting the images behind it rather than the desktop. Toolbar items bear Yosemite's thinner design, and, like iTunes 12, you'll find buttons that provide you with different avenues for viewing your content—Photos, Shared, Albums, and Projects. (An Import button also appears when you've connected a compatible

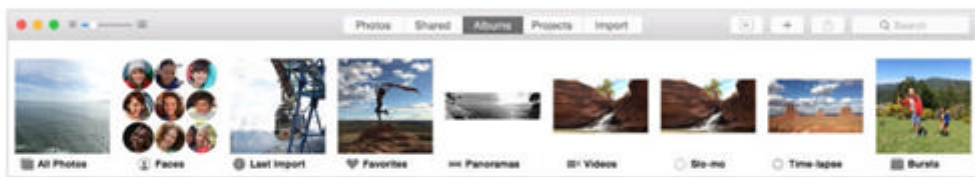
camera, mobile device, or media card.) They shake out this way.

PHOTOS: As with Photos for iOS, you can see your images and movies organized in Years, Collections, and Moments views. In the highest level Years view you find very tiny images all created within a particular year. Click and hold on a thumbnail and you see a larger thumbnail. Click and drag and you can scrub through these thumbnails to locate the image you're after.

Click within one of the years and you're taken down a layer to Collections view, which comprises images captured during a particular time and

PHOTOS INTERFACE
follows Yosemite's path of clean, minimal design.





in a specific place. This is akin to iPhoto's Events view, where you might find all the images from your camping trip.

Click again and you're taken to the Moments view—all the images you captured during your afternoon atop Half Dome, for instance. If you have a Mac with a trackpad you can navigate even more easily. To dig down from Year view, just stretch two fingers on the trackpad. Stretch again to move to the Moments view. To move back up the hierarchy, pinch.

If you click the place name that appears near the top-left of the window you're taken to a map that displays thumbnails along with the number of images associated with that location—all the images you've taken in Central Park, for example.

SHARED: This serves a purpose similar to iPhoto's Shared entry. After enabling iCloud Photo Sharing you'll see the photo streams you're sharing as well as any streams others have chosen to share with you. Unlike with iPhoto's shared albums, Photos presents

shared images in a much more elegant way—similar to something you might see on a well-designed photo sharing site.

ALBUMS: As its name implies, click Albums and you find any albums you've created. But there's more to it than that. Unlike with iPhoto, Photos offers some preconfigured albums that appear in a row near the top of the window. These are All Photos, Faces, Last Import, Favorites, Panoramas, Videos, Slo-mo, Time-lapse, and Bursts—it's not difficult to see the strong connection between these libraries and the kind of images you can capture with your iOS device.

PHOTOS GATHERS IMAGES and movies of particular types at the top of the Albums view.

After enabling iCloud Photo Sharing you'll see the photo streams you're sharing as well as any streams others have chosen to share with you.

Just double-click on an album to see its contents.

PROJECTS: Should you have forgotten, projects are what Apple calls slideshows, books, cards, and calendars. When you create such a project

you'll find it here. To work on an existing project, just double-click on it.

IMPORT: Similar to iPhoto, when you connect a camera, iOS device, or media card/reader an Import button will appear. Click it and you can choose to import all new items on the connected device/media or just those images you select. If you have more than one device connected—your iPhone and an SD card, for example—you pick the source you desire from a pop-up menu and then import the images and/or compatible movies it contains.

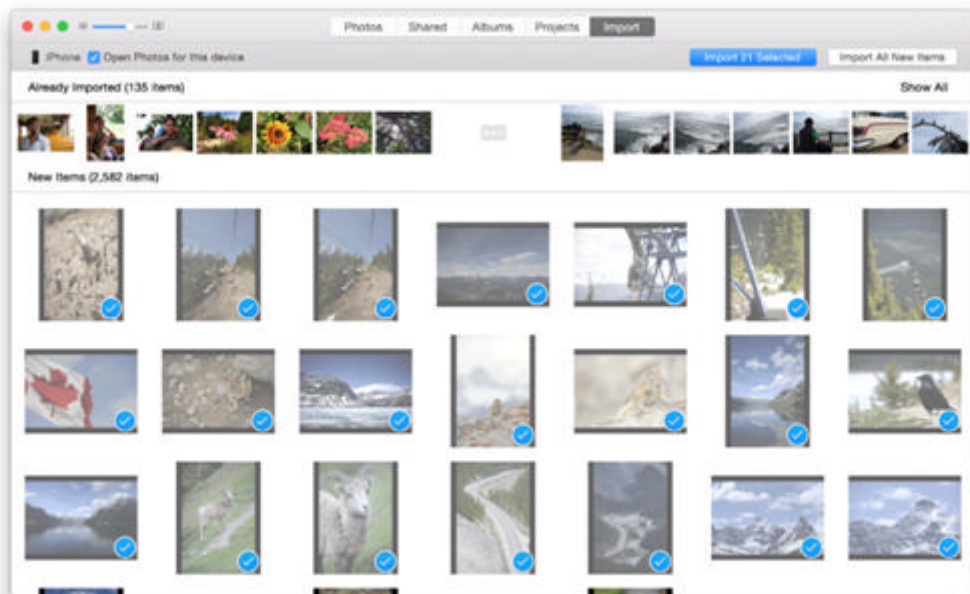
If you prefer navigating your media as you did with iPhoto, that option exists

in the form of Photos' Sidebar (which you invoke by choosing *View* → *Show Sidebar* or by pressing Command-Option-S). Do so and you see headings for Photos, Import, Albums (which contains the preconfigured albums I mentioned earlier as well as smart albums), and Projects. The navigation buttons in the toolbar disappear when you expose the sidebar.

VIEWING IMAGES

To view a photo at a larger size, just double-click on it. When you do this you have the opportunity to mark it as a favorite (by clicking a Favorite button in the toolbar). Photos has

YOU CAN IMPORT MEDIA from cameras, connected iOS devices, and media just as you did with iPhoto.





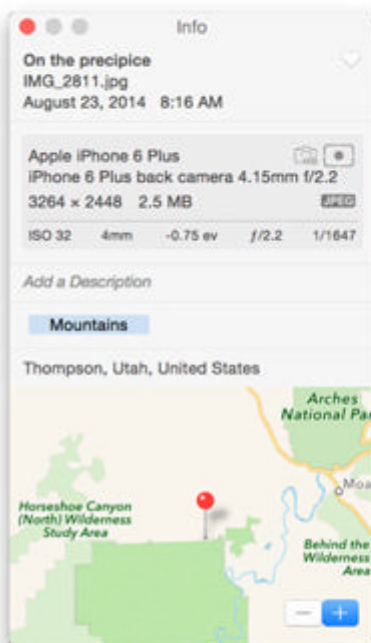
dispensed with star ratings, however. Now you simply choose to mark an image as a favorite or not.

When viewing a single image you can get and edit information about it. Just click the Info button and a window appears where you can add a title, view some EXIF data, see the image's location if it has been geotagged, add keywords, and add the identity of faces within the image. You can select multiple images, press Command-I to produce the Info window, and add keywords that apply to each selected image.

You can also click a Plus button to add your image to an album, smart album, or project. And by clicking on the Share menu you can send that image elsewhere—to iCloud Photo Sharing, Mail, Messages, AirDrop, Twitter, Facebook, and other services available from within the Share Menu via Yosemite's Extensions system preference.

EDITING YOUR IMAGES

Photos, like the iOS version, presents editing as a collection of tasks. When you view an image and then click Edit in Photos' top-right corner you're presented with a list of tools—Enhance, Rotate, Crop, Filters, Adjust, and Retouch. Enhance does what it did before—takes a guess at what might look good and applies those

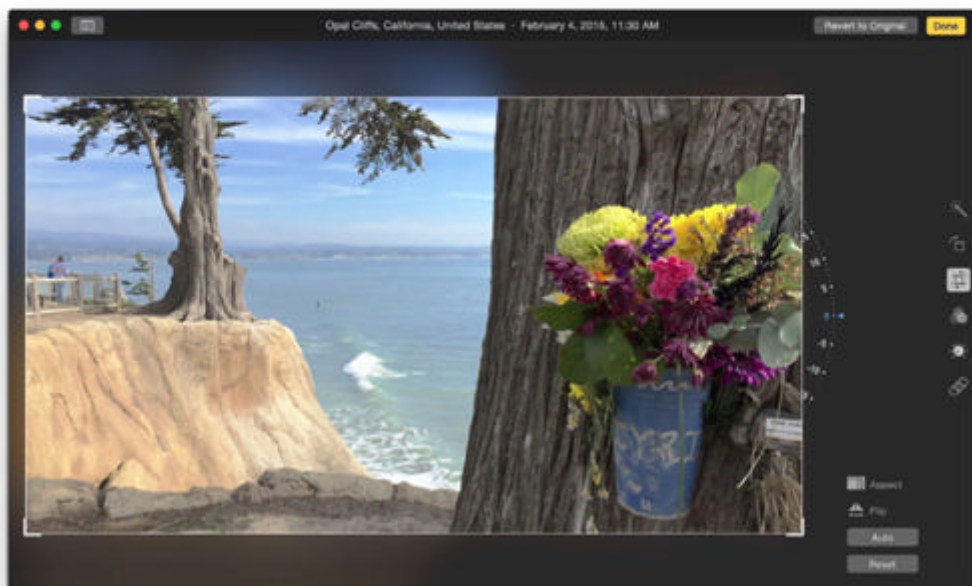


YOU ADD KEYWORDS

and descriptions as well as view EXIF and location data in the Info window.

Filters offers up eight tasteful filters: Mono, Tonal, Noir, Fade, Chrome, Process, Transfer, and Instant.

changes. Rotate does exactly that in 90-degree increments. Filters offers up eight tasteful filters: Mono, Tonal, Noir, Fade, Chrome, Process, Transfer, and Instant. And you use Retouch to remove spots and blemishes (including sensor dust) with a resizable tool. Crop and, particularly, Adjust need more explanation.



Crop not only lets you cut away unwanted material by dragging corners and borders, but provides a wheel similar to the one in Photos for iOS that you use to straighten your image to a grid. Or, if you like, you can simply click an Auto button and Photos will calculate the horizon line and straighten and crop the image for you, using the rule-of-thirds to place the important portions of the image within the frame. Within the Crop tool you can also choose an aspect ratio for your crop—custom, 16:9, 8:10, 5:7, and so on. Select a ratio and the image will be cropped accordingly.

MAKING ADJUSTMENTS

Photos' Adjustments tool is one of its most intriguing features and provides some insight into how its iOS cousin handles the job. The idea behind it is that many people don't want to spend time tweaking their images. They'd prefer to click Enhance and when presented with the results—whether great or garish—accept them as all that can be managed. Intuitive though Exposure, Contrast, Saturation, and Definition sliders may seem to some of us, they're confounding to many casual photographers. Photos' designers set out to simplify the process while bringing greater

THE CROP CONTROL

not only lets you crop your images, but also straighten them.



intelligence to the app's editing tools.

When you click on Adjustments (which Apple terms “Smart Adjustments”) you see three entries—Light, Color, and Black & White—that are controlled using “smart sliders.” To make an adjustment in this view, just click somewhere in the thumbnail image below one of these entries and drag to the left or right. For example, if your image is too dark, click in the Light tool area and then drag right or left to brighten or darken your image.

Photos is calculating the best look for the overall image rather than just dumbly making it brighter or darker.

This addresses your need to make a dark image brighter. But it's doing far more than just adjusting the image's exposure. As you drag to the right or left, a variety of factors change including exposure, highlights, shadows, brightness, contrast, and black point (and probably several other things lurking under the surface). And

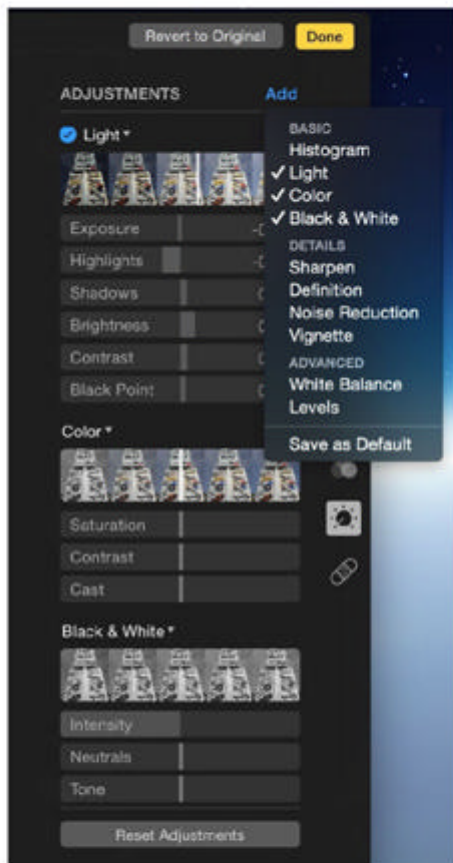


PHOTOS' ADJUSTMENTS TOOLS are simple yet powerful.

not always in a similar direction. Dragging to the right may increase the image's exposure but decrease its highlights, for instance. Photos is calculating the best look for the overall image rather than just dumbly making it brighter or darker.

You might use these controls this way: A mistake the unwary often make is shooting a picture of their nearest and dearest against a bright background—an unclouded mid-day sky is a common problem. Invariably, Rosco is dark and the background far brighter. If you did nothing but crank up the exposure you'd better expose your boyfriend, but the background would also brighten to the point where it entirely overwhelms the image. But try editing it with the Light control. Drag its smart slider to the right and Rosco becomes brighter but the background stays as it is or darkens, thus leaving you with the kind of image you could share with your mother versus one that shows him in a poor light. You can do this same kind of thing with the Color and Black & White controls.

But this can be just a starting point (or you can ignore it altogether). Click



EVEN FINER ADJUSTMENTS can be made via the Add menu.

on the downward pointing triangle next to each control and you'll see a series of other controls—the Exposure, Highlights, Shadows, Brightness, Contrast, and Black Point controls I mentioned earlier. You can adjust each of these individually using their sliders or by clicking in the appropriate field and entering



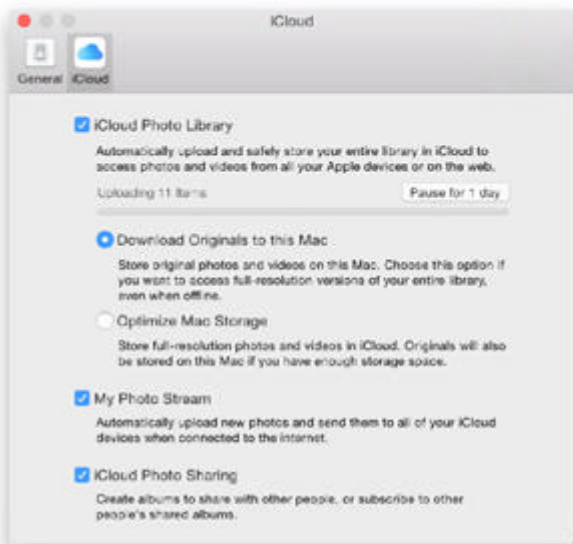
numeric values. So, if the global Light control gets you close, but not quite there, you can dive down a level and tweak as necessary.

And if that's not enough control for you, click the Add button in the edit area and you find such additional options as Histogram, Sharpen, Definition, Noise Reduction, Vignette, White Balance, and Levels. Adobe Photoshop (or even Lightroom) it may not be, but if you find iPhoto's editing controls a little underwhelming, you should be far happier with what Photos offers.

ABOUT THE CLOUD

When Photos was first announced a number of people fell into a panic. "Apple can't force me to keep my images in the cloud!" they cried. And they're correct. Apple can't force you to keep your images in the cloud, nor will it attempt to. Using iCloud storage is entirely optional. If you want to only store your images locally and not have them beamed into the cloud, you can. All you need do is ensure that the iCloud Photo Library option is unchecked in the iCloud preference within Photos. Or, if you want your images both in the cloud and on your Mac, enable the Download Original To This Mac option, also within Photos' iCloud preference.

This latter option has advantages. When you edit an image or movie within Photos for OS X or in the



updated version of Photos that will ship with iOS 8.2, those edits are automatically synced with all your devices and your iCloud.com account. For instance, if I convert one of my beach landscape images (go.macworld.com/cbreen) to black and white for a more dramatic effect, that version will appear on all the devices linked with my iCloud Photos Library. (And if I revert an image, that change will also be populated to my other devices.)

And you don't lose anything in transit. Images are stored in their original format and resolution—including raw images. And speaking of raw images, it's important to note that if you import a lot of large raw images and movies into Photos and then

iCLOUD STORAGE is not required.

choose to store them in the cloud, you may be looking at purchasing additional iCloud storage. When you enable the iCloud Photo Library option, Photos will estimate how much iCloud storage you'll need to store your current library in the cloud and provide a way for you to purchase more storage if that library is larger than your available iCloud storage.

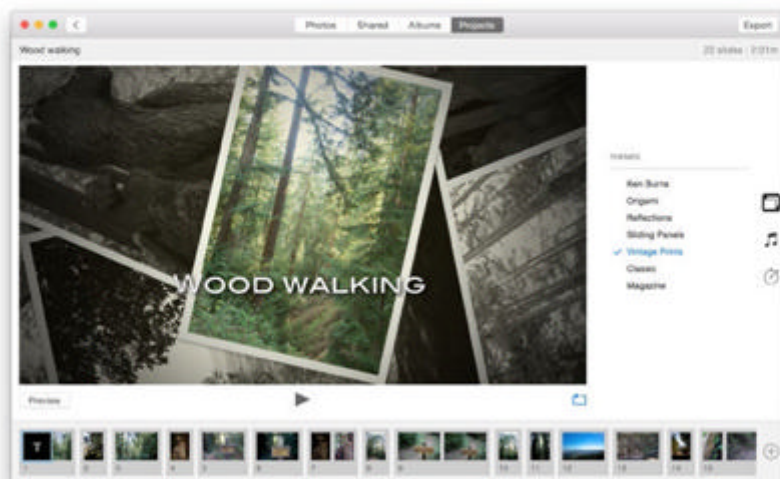
You're given 5GB of free iCloud storage when you sign up for an account, but if you need more storage you'll have to pay for it—\$0.99 a month for 20GB of total storage, \$3.99 a month for 200GB, \$9.99 a month for 500GB, and \$19.99 a month for 1TB of storage (<http://support.apple.com/en-us/HT201238>). Again, iCloud storage is optional. You can continue to store

your images on your Mac as you always have.

PROJECT ENHANCEMENTS

Photos also spruces up iPhoto and Aperture's projects. The book creation tools are now more streamlined—hiding the layout options until you need them, for example—and adding a new Square book format (20 pages in an 8 x 8 inch format for \$24.99 and a 20 page 10 x 10 inch book for \$39.99 with additional pages priced at \$0.79 and \$0.99 respectively). Compared to iPhoto, Photos in its current incarnation has lost some of the previous book themes but added a couple of new ones including Bento Box and Travelogue. Additional themes can

PHOTOS INTRODUCES
some new slideshow
themes.





be downloaded as they become available.

Slideshows can now be configured from within a drop-down window rather than propelling you into a full-screen slideshow window with a small slide-show window appearing within it. As with books, slideshows within the beta version have fewer themes with a couple of new additions. As before, you can export slideshows as movies.

Photos also offers an option for printing the panorama images you've taken with your iOS device. You can choose prints up to 36-inches wide. You can also order square prints if you've chosen to shoot images that way on your iPhone.

MOVING FROM IPHOTO/APERTURE TO PHOTOS

When you install Photos you'll be offered the option to import your iPhoto library. (If you have more than one iPhoto library, Photos will ask you to choose one to import.) You can also import an Aperture library.

Opening one of these libraries in Photos doesn't duplicate your existing images. You won't find one set of images in an iPhoto library and another in a Photos library. But

looking at the Finder, you wouldn't think so. Here's why.

When you launch Photos and it pulls images from your iPhoto library, a new Photos Library archive appears in the same location as your iPhoto library. And the Finder tells us that it's a bit bigger than the iPhoto library.

When you launch Photos and it pulls images from your iPhoto library, a new Photos Library archive appears in the same location as your iPhoto library.

But the truth is that it's not really consuming that amount of space. The Finder simply reflects the size of the library as if it held all the original files, which it isn't as it's referencing the original images.

Yes, it's a bit confounding, but you can test it yourself. In Disk Utility create a disk image with a capacity 25-percent larger than your iPhoto library. Let's say that your iPhoto library is 2GB and you create a 2.5GB image. Copy your iPhoto library to the disk image and then launch Photos while holding down the Option key. Click Other Library and navigate to the iPhoto library on the disk image. Photos will launch and create a Photos Library archive.

Given that the disk image can hold just 2.5GB of data—4/5ths of which is

already being used by your iPhoto library—you should be told there's not enough storage to complete the operation. And yet it works and there's the Finder proudly displaying two file sizes that exceed the capacity of the image. This tells you that the Finder is fibbing in regard to how much data each library really holds.

Additionally, iPhoto and Aperture don't become unusable after you've launched Photos. You'll be asked which app you'd like to use with your images. You can choose iPhoto, if you like, with the caveat that any edits you make in a particular app—iPhotos or Photos—will appear only within the app you used to apply them. So, if you convert an image in Photos to black and white and then open that same image in iPhoto, you'll see the unedited original color version.

iPhoto events and Aperture projects are converted to albums as neither of these items exist in Photos. Metadata including star ratings, flags, and color labels will be transformed into keywords and become searchable in Photos. Other IPTC metadata such as copyright, contact, and content data is retained as part of the image, but it's not visible within Photos. Custom metadata fields aren't transferred to Photos.

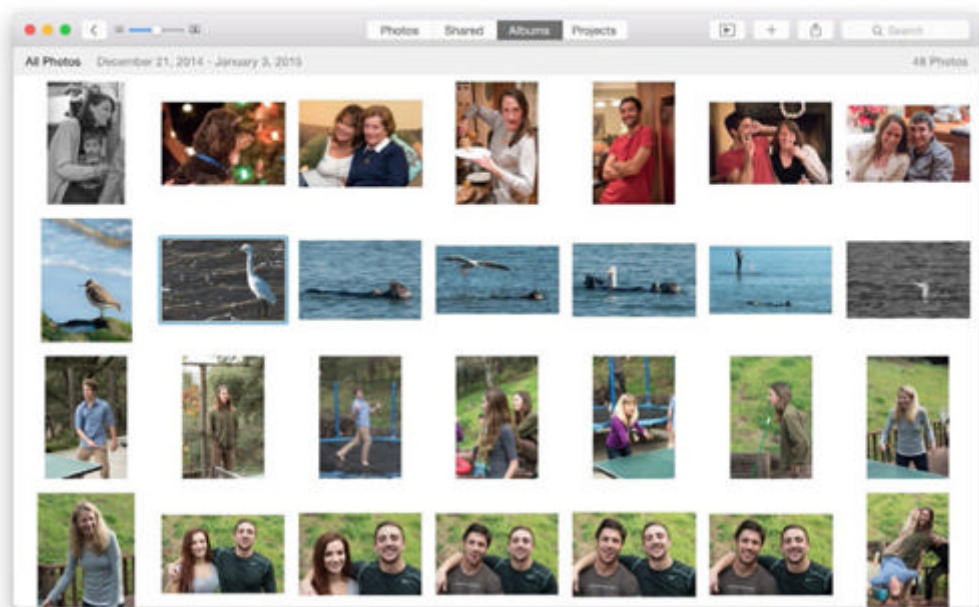
Those with OS X developer accounts will be able to play with

Photos starting today when they download the beta of OS X 10.10.3. The rest of us will have to wait until the spring when the final (and free) version of 10.10.3 ships.

When that happens, Aperture and iPhoto will no longer be offered on the Mac App Store as new-to-you purchases. If you've purchased one of them in the past you'll be able to download another copy should something happen to the original—much as you can redownload an older version of GarageBand that's no longer being sold at the Store. For this reason, if you haven't purchased the latest iPhoto or Aperture and want them, act before they disappear.

FIRST IMPRESSIONS

I've had very little time with Photos but my general impression is that it hits a sweet spot for the casual-to-enthusiastic iOS and digital camera shooter. Its navigation is more nimble and, from what I can tell, its performance is significantly improved over iPhoto's, which I found sluggish with large image libraries. And, scaling back to the big picture, it's the first of the old iLife apps that shares a common experience among the Mac, iOS devices, and iCloud. All your photos, your most recent edits, wherever you are. It's an app worth looking forward to.



HOW TO PREPARE YOUR iPHOTO LIBRARY FOR PHOTOS FOR OS X

Reader Dave Inglis has The Question about the upcoming Photos for OS X app. He writes:

I've read about Photos for OS X and the app looks great. What can I do with my current iPhoto library to get it ready for the transition to Photos?

The glib answer is “nothing.” When you finally get your hands on Photos for OS

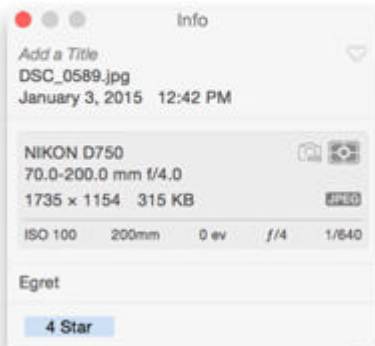
X (which is slated to be released sometime this northern-hemisphere spring) and launch it, you'll be asked if you'd like to import your iPhoto library. (If you have multiple iPhoto libraries, you can hold down the Option key while launching Photos and then, in the Choose Library window that appears, select a library to use.) Note that cloud syncing works only with the default System Photo Library.

As I explained in my first look, this

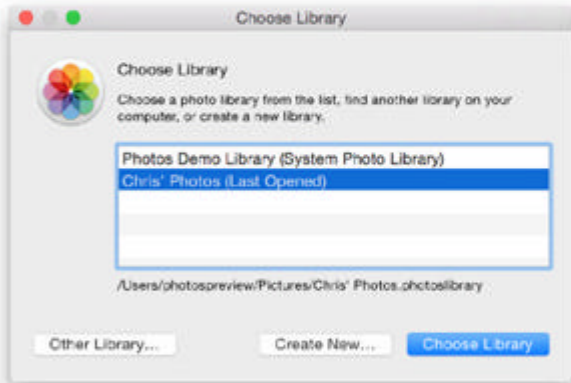
won't cause Photos to duplicate your existing images. It will simply work with those images. If you like, you can still launch iPhoto and work with your images there—with the understanding that any edits you apply will appear only within the app you used to apply them.

So much for glib, let's talk details. Now is as good a time as any to start clearing out duplicates in your iPhoto library. I recently addressed this in *How to Cull Your iPhoto Library of Duplicates and Bad Photos* (go.macworld.com/cull). I'd suggest you read through it and apply the tips so that your Photos library isn't as cluttered with cruft as your iPhoto library was.

If you intend to store your photos in the cloud via Photos' iCloud Photo Library option, you may want to do more than just remove duplicates and poor images, particularly if you have a very large photo library. Apple provides you with just 5GB of free storage and the iCloud Photo Library



STAR RATINGS become keywords when you import an iPhoto library into Photos.



counts against that storage. (You can always purchase more storage.) To keep your photo storage under 5GB it may require some serious culling. Consider archiving your meh images and importing just the best ones.

You might also rate your images while they're in iPhoto. Photos lacks the 0 – 5 Star rating system—it instead allows you to make an image a favorite. However, it takes the star ratings you've applied in iPhoto and turns them into keywords. So later, if you'd like to find all your most highly rated images, just enter **5 Star** in Photos' Search field and any images that bear that keyword will appear. And if you haven't identified faces within iPhoto, why not do that while you're waiting for Photos to arrive? That faces metadata will transfer over from iPhoto.

In short: Do your housekeeping now so that when Photos finally arrives your images will be rarin' to go from the very first launch. ■

AS WITH iPHOTO, by holding down the Option key at launch you can choose a library for Photos to open.

HELP KEEP THESE KIDS IN PLAY.

**175,000 KIDS WILL BE
DIAGNOSED WITH
CANCER THIS YEAR.**

Children are our greatest hope for the future.
Let's be their greatest hope too.

Cancer strikes infants and children. For teens
and young adults, survival can depend on
treatment by a pediatric oncologist, designed
specifically for them.

The St. Baldrick's Foundation and Stand Up To
Cancer are funding groundbreaking collaborative
research to bring the most effective therapies to kids
fighting cancer. To learn how you can help keep
these kids in play, go to stbaldricks.org/inplay and
standup2cancer.org/pediatrics.

Julia Hernandez
Diagnosed at 16,
in remission.

Samuel L. Jackson
Stand Up To Cancer and
St. Baldrick's Ambassador

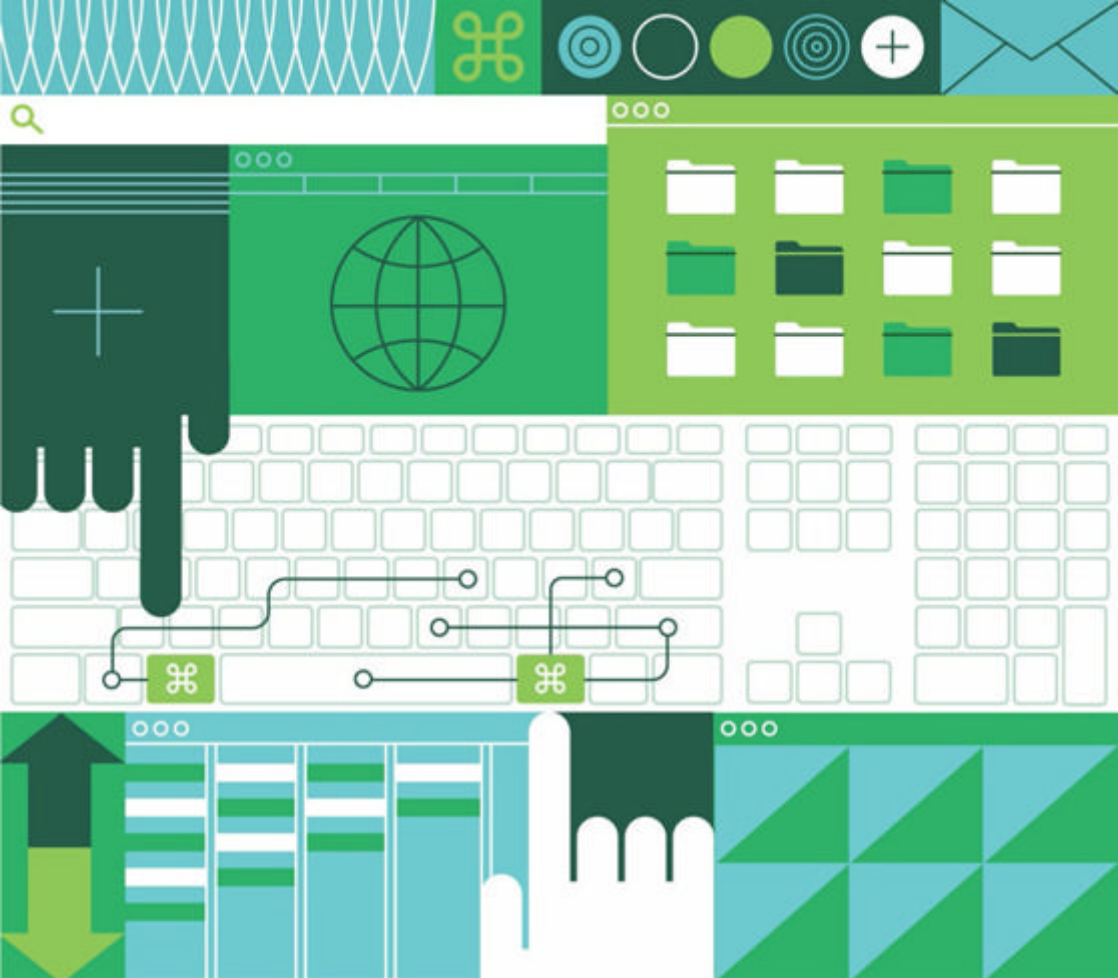


**St. Baldrick's
FOUNDATION**
Conquer Childhood Cancer



St. Baldrick's Foundation is a charitable 501(c)(3) organization funding childhood cancer research.
Stand Up To Cancer is a program of the Entertainment Industry Foundation, a 501(c)(3) charitable organization.

Photo by Nigel Parry



MASTER KEYBOARD SHORTCUTS

Smart key combos make for a faster, more efficient workflow. Here's a list of our favorites. **BY CHUCK LA TOURNOUS**

ILLUSTRATION BY BRAD WOODARD

If you've used a Mac longer than the span of a typical Hollywood awards show, you probably know that **Command-P** means print, **Command-C** means copy, and **Command-V** means paste. That's great—it shows you already have a taste for how keyboard shortcuts can save you time. There are hundreds of shortcuts for just about anything you can do with a mouse. But shortcuts can be intimidating. They're not always intuitive and they can take a lot of time and practice to commit to "finger memory."

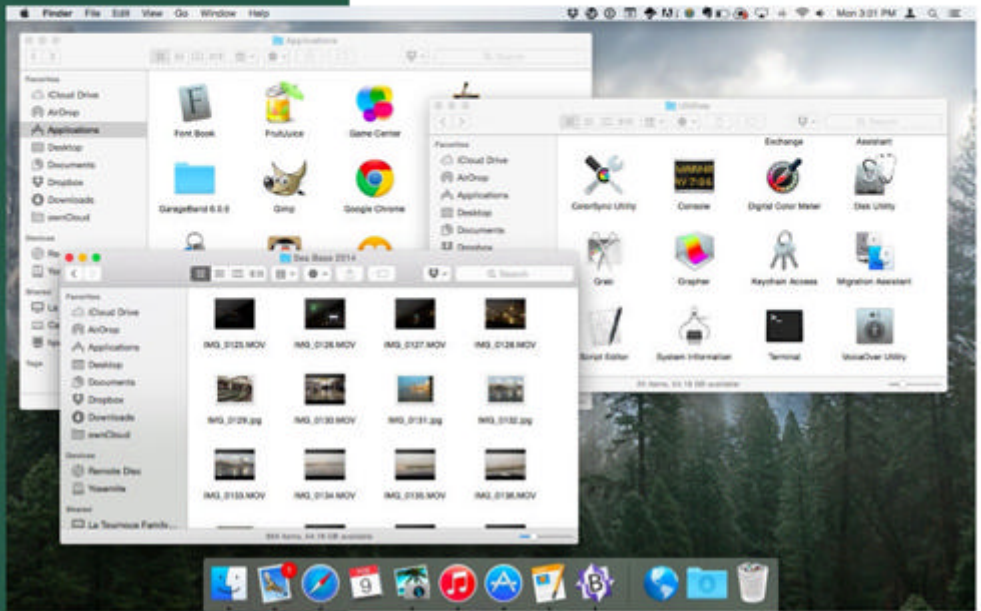
Adding just a few keyboard shortcuts to your repertoire can be painless and easy. And painless in more ways than one, since shortcuts mean spending less time on the mouse, which in turn means a lower risk of Carpel Tunnel and Repetitive Stress Injury (RSI). Let's look at three of the places where you probably spend most of your time on the Mac and see how shortcuts can make you more efficient.

The long and short of shortcuts

The biggest hurdle to becoming proficient with keyboard shortcuts is allowing them to overwhelm you. But if you start with just a few at a time—or maybe just one of the applications discussed here—you'll soon see that they make you an even more competent Mac user.



KEYBOARD SHORTCUTS



KEYBOARD SHORTCUTS can take you directly to specific folders, or unclutter your desktop in an instant.

THE FINDER

Cut through clutter to the Finder

Close folders fast

Spring Applications and Utilities folders

Unleash Spotlight

Cycle through open applications

Plus: Tab Key tricks

You may not think of it as an application at all, but the Finder is the glue that holds the rest of your Mac experience together, and you probably spend more time here than you realize.

If you want to get to the Finder (or if you prefer to think of it this way, your desktop), but you can barely see it through all the open application windows, there's a way to clear things up in a snap. Hold down the Command and Option keys and click anywhere on your desktop. That key combination takes you to the Finder while hiding all other applications at the same time. If you're already in the

Command-Space will invoke Spotlight.



Command-Tab brings up a quick application switcher.



Finder, type Command-Option-H for the same effect. (This shortcut isn't only for the

Finder—holding Command-Option as you click on any application will simultaneously hide all your other open apps.)

But what if it's open folders and not apps that are cluttering your desktop? There's a shortcut for that too: Command-W (think "Withdraw Windows") will close one window; Command-Option-W will close them all in one fell swoop.

To get to your Applications folder from the Finder without having to dig down through your hard drive type Command-Shift-A, for Applications. (Similarly, Command-Shift-U will bring you straight to the Utilities folder.)

You may already know that typing Command-Space opens Spotlight. While it's open, type the first few letters of the application, folder, or file you're looking for. Spotlight will likely find what you're after before you finish typing. Pressing Return opens the object of your search.

To give credit where it's due, Windows had it first, but there's a keyboard shortcut that will let

you cycle through all your open applications. Hold down the Command key and tap Tab. You'll see a nice big bar that displays all your open apps. Each tap of the Tab key will take you to the next application, from right to left. Want to go the other way? Hold down the Shift key in addition to Command and Tab through your apps in reverse.

There are a couple of other neat tricks that Apple added to the Command-Tab shortcut. While any app is highlighted, tapping the H key will hide it and tapping Q will quit it. If you haven't quite mastered the art of the neat desktop, these shortcuts will become indispensable in short order.

MAIL

Quick manual check for new mail

Create a blank message fast

Attach anything with one click

Send messages in a millisecond

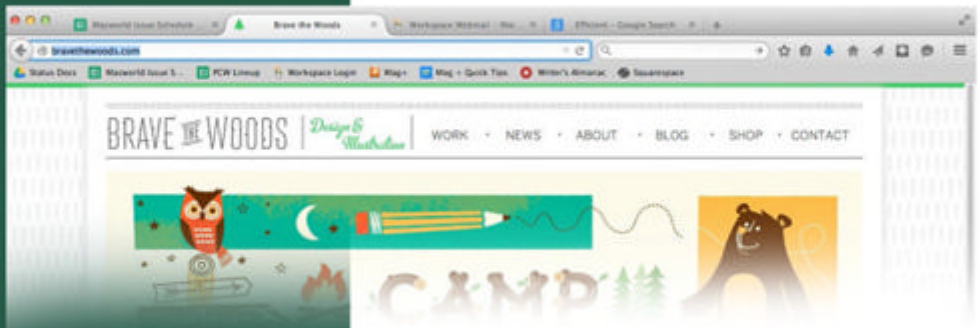
Learning just a few shortcuts in the Mail app can have a big impact on your email habits. You can choose how often Mail checks for new messages in its preferences, but you always have the option of manually checking for new mail. To do so without having to visit the Mailbox menu, type Command-Shift-N (for New messages.) Leave out the Shift key and Command-N will create a new, blank message.

Want to add an attachment to your message? With a draft message open, type Command-Shift-A. You'll get a dialogue box ready to navigate to the file you want to attach. (Here's a non-keyboard shortcut tip: If the file you wish to attach is visible in the Finder, just drag it on top of this dialogue box and it will be ready to send.)

Finally, there's no need to pick up your mouse and click on Send. Type Command-Shift-D ("Deploy?" "Deliver?") and your message will be on its way.



THE COMMAND-TAB application switcher is the foundation for a slew of useful keyboard shortcuts.



TYPE COMMAND-L to go directly into the Safari address bar.

SAFARI

Sprint to the address bar

Scroll like a pro

Jump pages effortlessly

Leapfrog through tabs

Using keyboard shortcuts can make a big difference while browsing. Get to the address bar with Command-L (for “Location”). That puts your cursor in the address bar so you can immediately start typing. When you’ve entered your URL, hit Return and you’re on your way.

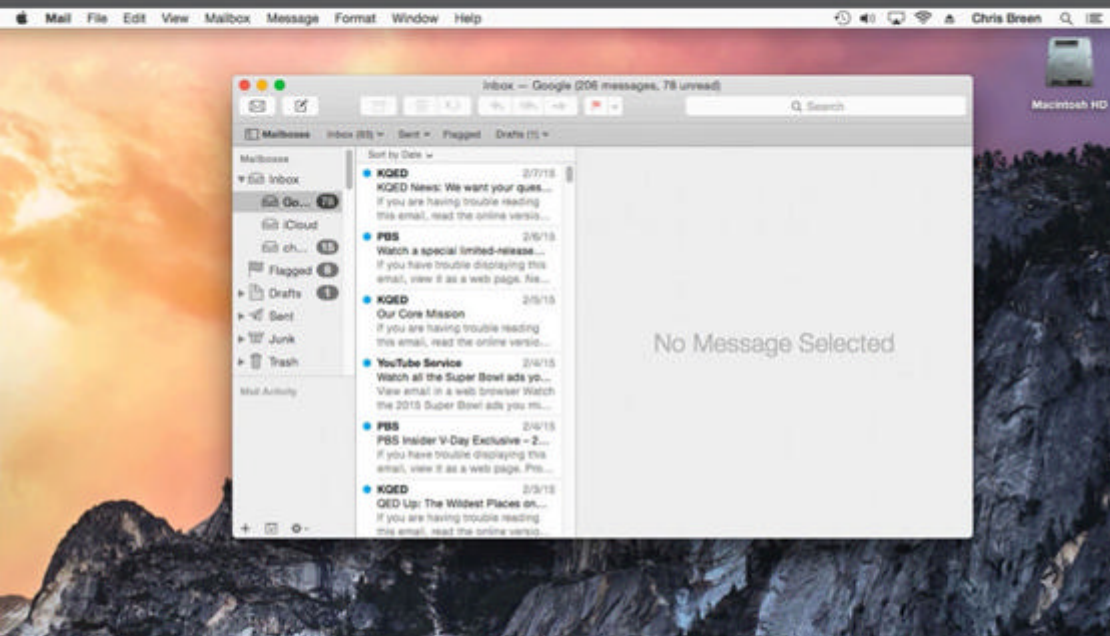
When you get to the bottom of the screen, don’t reach for your mouse to scroll. Instead, press the spacebar to make Safari jump down a screen. (Press Shift-Space to jump back up.) Want to navigate a little farther? Function-Left Arrow and Function-Right Arrow bring you to the top and bottom of the current web page, respectively. (Note that the Function key on third-party keyboards may not work with shortcuts like these.)

Keyboard shortcuts even let you navigate between pages. Type Command-Left Arrow to go to the previous page. When you’re ready to go forward type Command-Right Arrow.

To navigate between multiple tabs type Command-Shift-] to jump to the next tab and Command-Shift-[to jump to the previous one. If you have multiple windows open in your browser (or pretty much any application), Command-~ will cycle through them. ■

WORKING MAC

Tips, Tricks, and Tools to Make You
and Your Mac More Productive



Archive your email, contacts, and calendars before it's too late

Services like Cloud Phone, ZipZip, and Line2 let you manage a second business line on the device you're already using.

BY CHRISTOPHER BREEN

You're changing jobs—either voluntarily or not so—and IT is going to shut off your access to your old email, contacts, and calendars. While they may consider all of this company property, the truth is that many people often mix in personal email with their company stuff.

The upshot is that you'd like to make copies of this before it vanishes. How do you do it? Let's start with Mail.

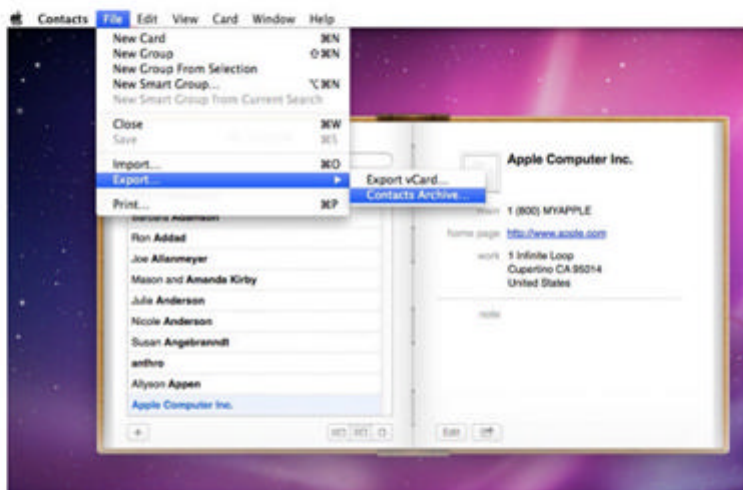
The trick to grabbing your old email is making an archive of your selected inbox or account. In this case, I have a bunch of mail stored in Mail's inbox for a Google account that I'll say is my work email account. To make an archive of it, I just select *Export Mailbox* from the Mailbox menu. (Or I can just right-click on my inbox and choose this same command).

When I do this, Mail will set about creating mbox files for the mailboxes within this inbox. At a later date I can then import this mbox into Mail or another email client and have access to the email and its attachments. Note that if you have a lot of mes-

sages and attachments it can take quite awhile to do this.

Contacts held on the company servers are just as easy to archive. Launch Contacts, choose *File* → *Export*, and choose *Contacts Archive*. This will take all your contacts and shove them into a single archive, which you can later import into Contacts when IT disallows your access to the company servers.

Calendars work similarly. Just launch the Calendar app and you can



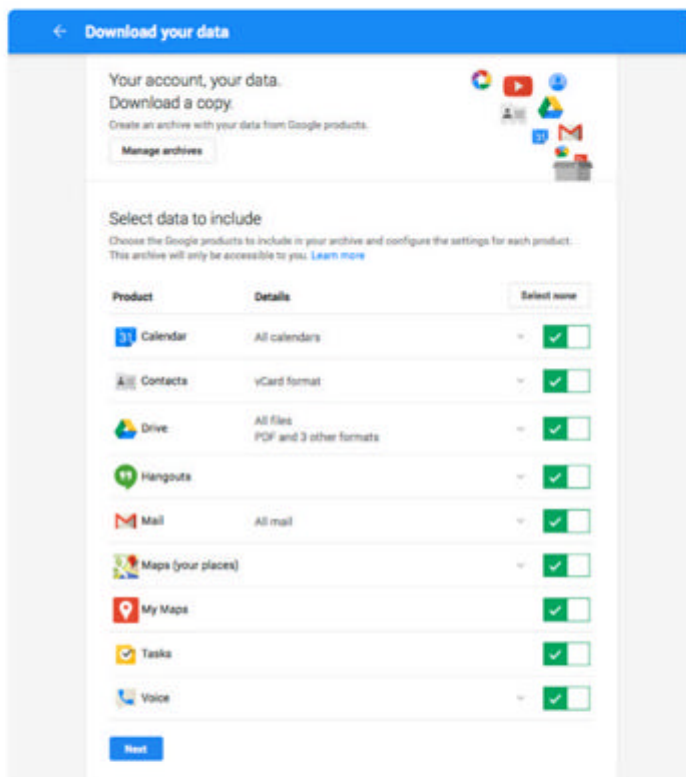
YOUR CONTACTS

can be saved as an archive through the Contacts File menu.

choose to export a calendar archive that contains all your events, or select a particular calendar and choose to export just that one.

But what if you do this kind of thing through a web client. If you're using Exchange or Office 365, you're out of luck—Microsoft doesn't provide the means for archiving your stuff from within its web client. You'll have to use a local email client such as Mail or Outlook and follow the steps I offered earlier.

Google does provide a solution, however. Go to www.google.com/settings/takeout and you'll see a page like this where you can choose to download all the stuff you've shoved into Google—including mail, calendars, contacts, and files on your Google Drive. Depending on how much stuff you have, it can take a long time to create the archive. Google will



email you when it's complete and ready for download.

They say you can't take it with you. Now you know that's not entirely true. ■

YOU CAN EASILY
archive your Google
mail, calendars and
more.

How many light bulbs does it take to change an American?



It's no joke: climate change is a critical issue for all life on Earth. But can the actions of one individual really make a difference? Visit nature.org to calculate your impact on the world around you and learn about steps you can take to make the world a better place for us all.

nature.org/calculate

The Nature
Conservancy 
Protecting nature. Preserving life.®



File encryption: FileVault 2 vs. Disk Utility

What to encrypt and when? It all depends on where your files will be going.

BY GLENN FLEISHMAN

In a recent column, I explained the use and benefit (and some of the drawbacks) of turning on full-disk encryption (FDE) with Apple's built-in FileVault 2. Readers had a few questions of which I'll expand here. Then, I'll provide a longer explanation of encrypting individual files using Disk Utility.

FileVault 2 encrypts data at the hard drive level. Programs that run on your Mac see the data as if it has no encryption. This lets you back up drives while you're logged in, even if the system is locked. But the files copied to Dropbox, an online backup service, a local drive, or a Time Machine destination are unencrypted, although you can layer encryption on all of those options.

Time Machine and other local drives can be encrypted using the same technology as

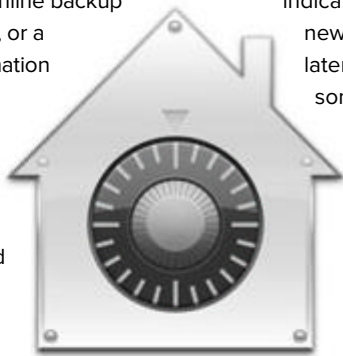
FileVault 2 by selecting the drive and choosing *Encrypt Drive Name*.

You can change your FileVault 2 recovery key if you've lost it, as one reader believes he did, so long as you still have the password for any account with the privilege to start up the computer. It's tedious: You have to disable FileVault 2, which decrypts the entire drive, and then enable it

again. Give yourself a couple of days and a steady supply of AC power.

Some readers believe that FileVault 2 dramatically slows down OS X. Benchmarks, my own experience, and other readers' testimony would

indicate otherwise. For newer computers (2012 or later for all models, and some released in 2010 and 2011), and with an SSD on most models, performance is only slightly impaired and only when you're engaged in disk-heavy operations. And now on to Disk Utility!



HOW TO USE DISK UTILITY TO ENCRYPT FILES

FileVault 2 affects your whole disk, and has some scary elements, chiefly that your files are completely unrecoverable if you ever forget your password and lose your disk Recovery Key. But you can choose, instead or in addition, to create a virtual disk that encrypts

everything inside of it.

Not long ago, there were multiple options for encrypting files and folders on a Mac. TrueCrypt, a mostly anonymous free and open-source encryption tool, abruptly stopped development in May 2014. Years ago, PGP offered Mac tools for file encryption, but not for folder or virtual disk access. (GPGTools has a Mac version that primarily helps with managing encryption with email. See gpgtools.org/gpgsuite/.)

That leaves Disk Utility (go.macworld.com/diskutility), our hoary friend that handles repairing permissions on disks, but can also manage and create disk images. If you're not a software developer, you may have never needed to make a disk image, which is just a flat file (or OS X package for one subtype) that preserves the file and folder placement and hierarchy, file permissions, and other data just as if it the data were stored on a physical internal or removable disk. (DropDMG is a \$24 utility that puts a sensible interface on top of OS X's disk image commands, including encryption, while offering management options, too. See <http://c-command.com/dropdmg/>.)



Apple offers a full step-by-step (go.macworld.com/diskutility) set of instructions for creating an encrypted disk image. I'd suggest picking the higher level of encryption, 256-bit AES. You can use an encrypted disk image on top of FileVault 2; the two technologies don't conflict.

I also suggest using the sparse bundle image format, which only occupies as much disk space as required for the actual files stored plus a little overhead, instead of the full size you specify for the image. That is, specify 10GB and use only 100MB, and the image is just a bit over 100MB. The "bundle" part means that the image is silently divided up into a number of files, which allows easier backup of just portions of the image when the disk

FILEVAULT 2 is easy to set up, but keep your Recovery Key in a safe place.



DISK UTILITY'S
“sparse bundle”
is the way to
go if you only
want to encrypt a
few files.

is unmounted. Otherwise, an encrypted disk image can change considerably, based on small changes, making incremental updates consume more archiving storage and bandwidth.

You set a password for the disk image's encryption, which is required every time you want to mount and use it. Storing it in the keychain is an option at creation and any time you mount the disk, but it adds risk if you're concerned about

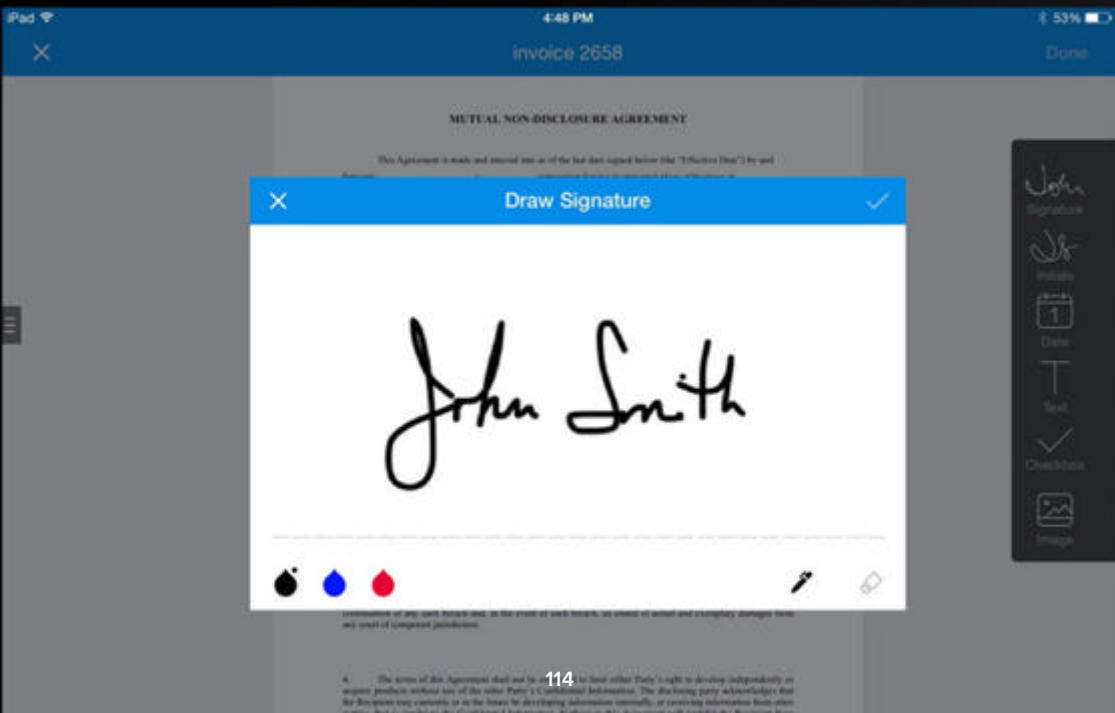
someone having access to your running, unlocked computer at any point. If you're confident that your machine is always under your control or shut down when not, then keeping the password in the keychain removes a step—and makes it more likely you'll pick a longer or stronger password, if we're honest.

As with other forms of encryption, lose or forget the password (and it's not stored in the keychain) and your files are lost forever. ■

5 apps for signing documents with your iPhone and iPad

Digitally signing documents and forms wins on speed and convenience.

BY JASON CIPRIANI



The dance of printing a document, taking a pen and signing it, then scanning and emailing it to a banker or client is one I think we've all done. It's also extremely inefficient, not to mention annoying.

The Mac's handy-dandy Preview app makes it possible to fill out and digitally sign a document, but it's just as easy to sign from an iOS device, and of course there is no shortage of apps for that. I've whittled that selection down to these five that cover all the bases, letting you sign, fill out forms, connect to your cloud storage accounts, and use's iOS 8's

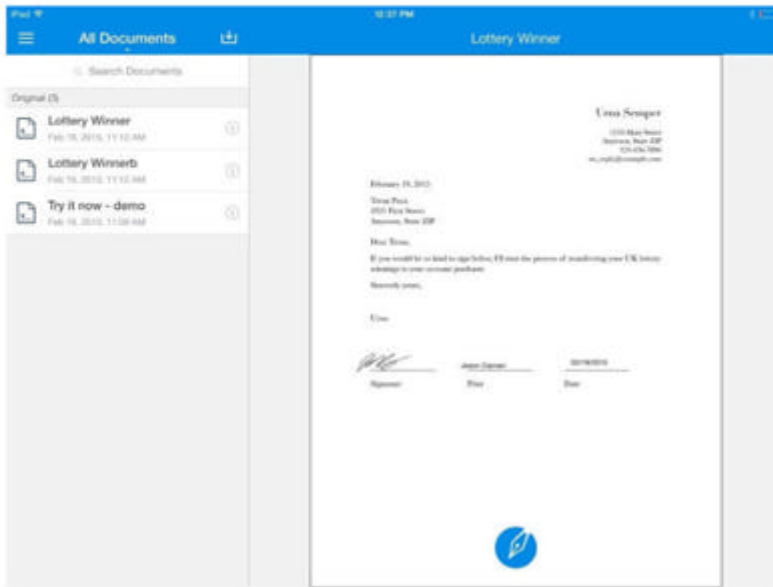
share extension, among other features. The differences between them boil down to aesthetics, workflow, and pricing—which means one of them is probably just right for you.

SIGNNOW

SignNow (<https://www.cudesign.com/>) offers a free app for both the iPhone and iPad. If you only need to

SIGNNOW IS the most visually appealing of the apps reviewed here.





SIGNEASY is free for the first three documents.

sign five documents (or fewer!) per month, the free tier will cover you. Anything over that requires a monthly service plan, which aren't cheap—a Pro account purchased in-app is \$25/month or \$180/year.

Of all the apps, I found SignNow to be the most visually appealing. The quality of the signature placed onto the document was top-notch. The process of sending a document to someone else for him or her to sign allows you to place buttons on the document, designating what information is needed where and from who.

SIGNEASY

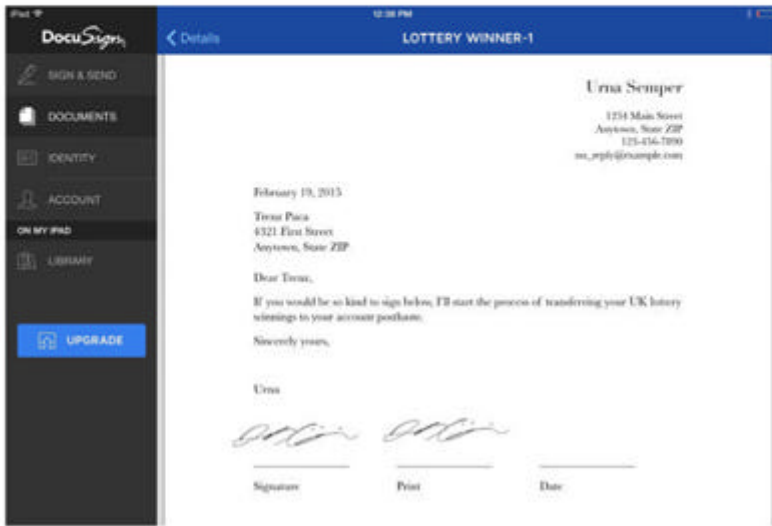
SignEasy (<http://getsigneasy.com/>) is

free, but limits you to signing three documents. After you've reached the limit, you can purchase an additional allotment of 10 documents for \$5, or a year of unlimited signatures for \$40.

Hidden behind the additional fees is the ability to unlock the app with Touch ID or passcode. If you ask me, securing my account should be free. SignEasy could benefit from a clearly defined method for requesting signatures from someone else.

DOCUSIGN

DocuSign (<https://www.docusign.com/>) has long been my go-to document signing app, only for its availability across multiple platforms, including



DOCUSIGN'S

signature resolution leaves something to be desired.

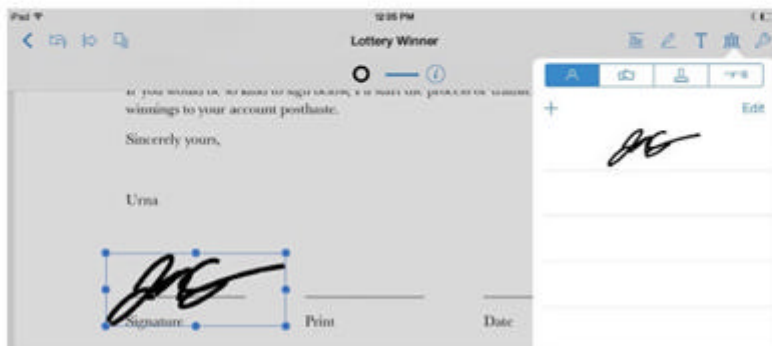
web). The app is free to sign as many documents as you need to, with a limit on the number of sent docs. Plans for sending documents start at \$10 per month (paid annually) for five docs per month.

My only reservation with DocuSign is that the signature and text

placed onto a document doesn't look as crisp and refined as SignNow and SignEasy. I'm nitpicking. The app and service do the job with little fuss.

PDFPEN 2

PDFpen 2 (smilesoftware.com/PDFpen) is the only app on this list you



ADDING A

signature in PDFpen 2 isn't completely obvious the first time you use the app.



PDF READER is a free and versatile editing and signing app.

need to pay for up front—but then you'll never pay again, no matter how much you use it. The \$20 price tag may be considered steep by some, but with no subscription fees or usage limits, it becomes a value.

Adding a signature isn't completely obvious the first time you use the app since it's geared more toward editing and working with PDFs. It auto-detects fields in PDF forms, making it easy to go from one field to the next by filling in your information along the way. To sign a document, you need to draw your signature on the line. After that, you can save your signature for future reference. Once a signature is saved, a couple of taps is all that's required to sign another document.

PDF READER

PDF Reader (go.macworld.com/pdfreader) is completely free, with no restrictions on the number of documents you can sign. The only downside is having to deal with ads. For someone who doesn't sign a lot of documents, though, it's a solid choice.

Similar to PDFpen 2, PDF Reader is designed to be a PDF editor first and document signing app second. Features for highlighting text, scribbling notes on top of a document and the like are found throughout.

Digitally signing documents and forms might be nowhere near as personal as putting an old-fashioned pen to paper and scribbling your John Hancock. But it wins on speed and convenience every day of the week. ■



THE UNITED STATES OF AMERICA

THIS NOTE IS LEGAL TENDER FOR ALL DEBTS, PUBLIC AND PRIVATE

RETIREMENT

FEELS EVEN

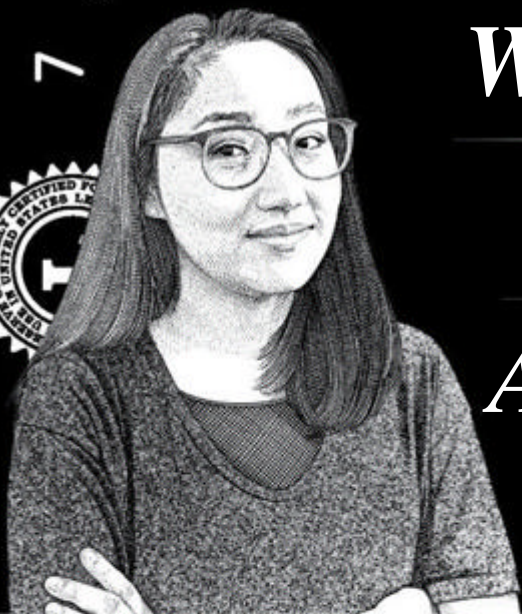
FURTHER AWAY

WHEN YOU

CAN'T

AFFORD IT.

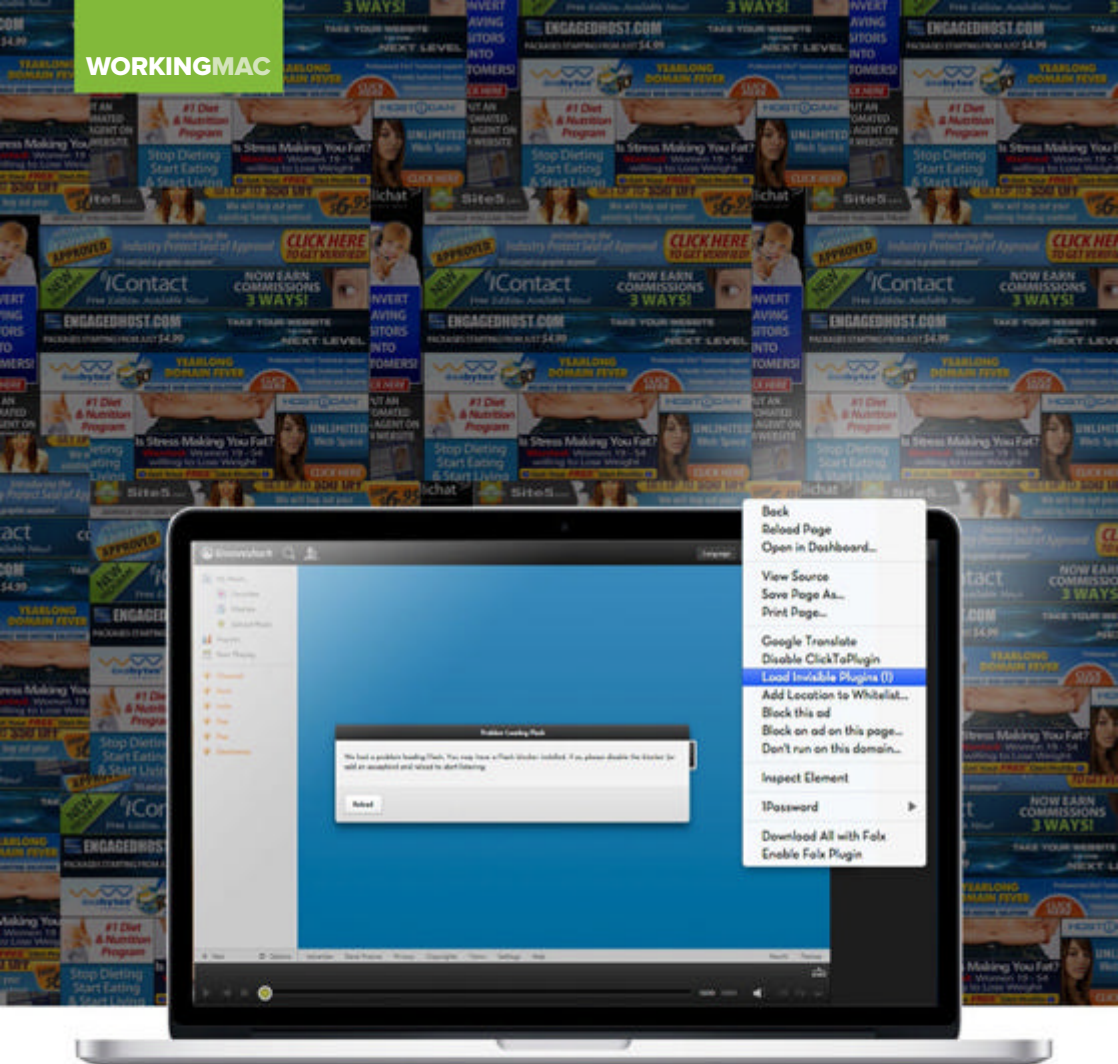
FEEDTHEPIG.ORG



WHEN IT COMES TO FINANCIAL STABILITY, DON'T GET LEFT BEHIND.

There are people just like you who are making good financial decisions every day. To learn how you can join them, and take control of your financial future, visit feedthepig.org.

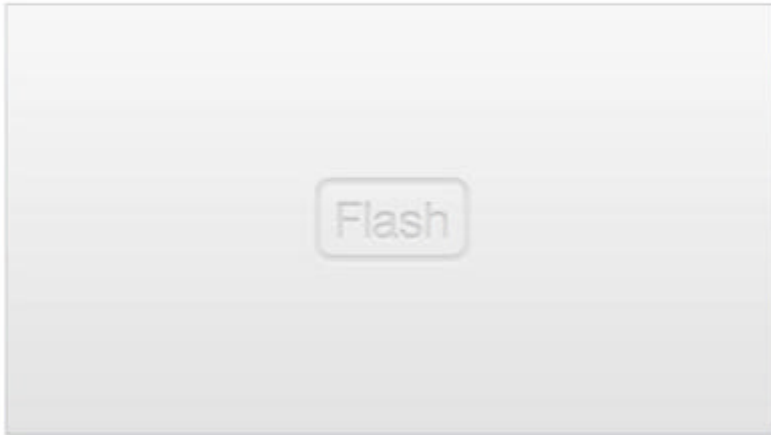




5 Safari extensions for a better browsing experience

There are ways to avoid the most egregious annoyances on the web. Say farewell to distraction and hello to calm browsing.

BY KIRK MCELHEARN



CLICKTOPLUGIN replaces any items on a website that use plug-ins with a placeholder screen.

One thing I hate when I'm browsing the web is being distracted. I hate those blinking, moving ads, auto-play videos, and all the other cruft that websites use to try to get you to click, click, click somewhere, rather than read the article that attracted you in the first place.

Fortunately, there are ways to avoid the most egregious annoyances on the web. Some of them can be easily muted using browser plug-ins, like the five that I use with Safari to make my browsing experience a lot better. (Note: some of these plug-ins also have equivalents for other browsers, such as Firefox and Chrome.)

CLICKTOPLUGIN

One of the worst offenders on the web annoyance hitlist is Flash animations. They can take the form of videos on YouTube and other

sites (though YouTube recently made the default video format HTML5), or those moving ads you often see on websites. There's nothing more distracting when you're trying to read an article than something that moves, and that's the whole point of these ads. They need to attract your attention.

The free ClickToPlugin (go.macworld.com/clicktoplugin) extension blocks every item on a website that uses a plug-in, swapping them out with placeholders.

When you see one of these place-

holders, it shows you which plug-in is used. You can click it to load the item, or just ignore it. There's also a Flash-specific version of the extension, ClickToFlash, if you only want to block Flash animations, but the full ClickToPlugin is more useful because it blocks all multimedia animations.

Both plug-ins have a number of settings allowing you to whitelist sites where you want plug-ins to load, and ClickToPlugin lets you choose specific plug-ins that will always load. This can be useful if your work involves the use of certain plug-ins.

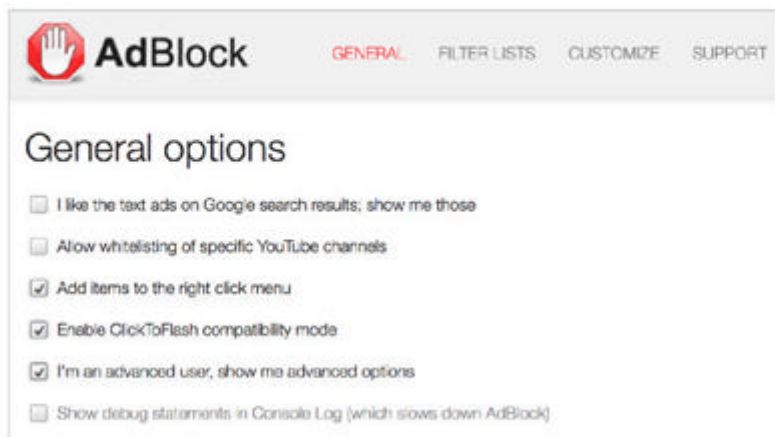
ADBLOCK

While Flash is a scourge, ads in general can be a major annoyance. The donation-ware AdBlock (getadblock.com) scours your websites,

making them much more readable. It blocks graphical ads, text ads, and even ads in YouTube videos. But, it also lets you whitelist sites whose ads you do want to see to support them (as you'll probably want to do for macworld.com), or because the ads may be useful, which is often the case for smaller websites that don't use ad networks such as Google.

F. B. PURITY

Facebook is one of the biggest culprits in terms of cruft. When you look at a Facebook page, only a fraction of what you see is content that interests you. The free F. B. Purity (which accepts donations. See fbpurity.com) "alters your view of Facebook to show only relevant information to you." It nukes spam, ads, sponsored stories, animated



ADBLOCK LETS

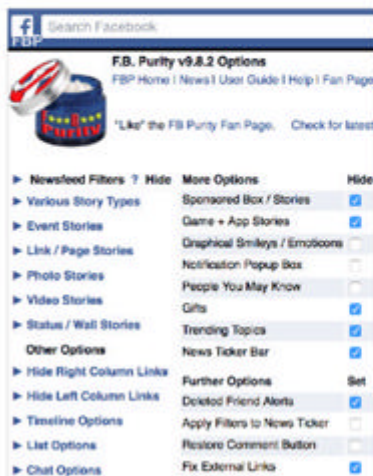
you customize your ad-blocking settings and whitelist sites where you do want to see ads.

GIFs, game and app stories, trending topics, and much more.

F. B. Purity has lots of settings, allowing you to not only turn on certain blockers, but also create a list of custom text filters. So, if you have friends who are constantly talking about a subject that doesn't interest you, like politics, sports, or religion, you can easily filter their posts.

NOMOREITUNES

I hate searching the iTunes Store in iTunes. It's slow, and the search interface is limited. Many times, when you go back to the previous page, it's not in the same view as it was when you left it. Good news: You can search all of Apple's stores using a search engine. Run a Google search like this: "artist album site:itunes.apple.com". This lets your browser do the work, but when you click on search results, they'll open in iTunes (not necessarily a good thing).

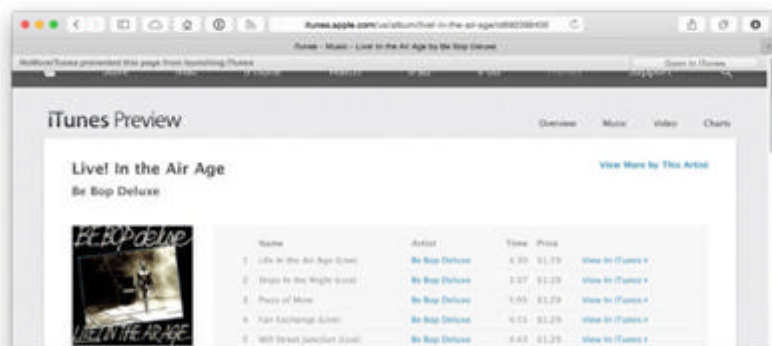


F. B. PURITY

LETS you block unwanted content on Facebook.

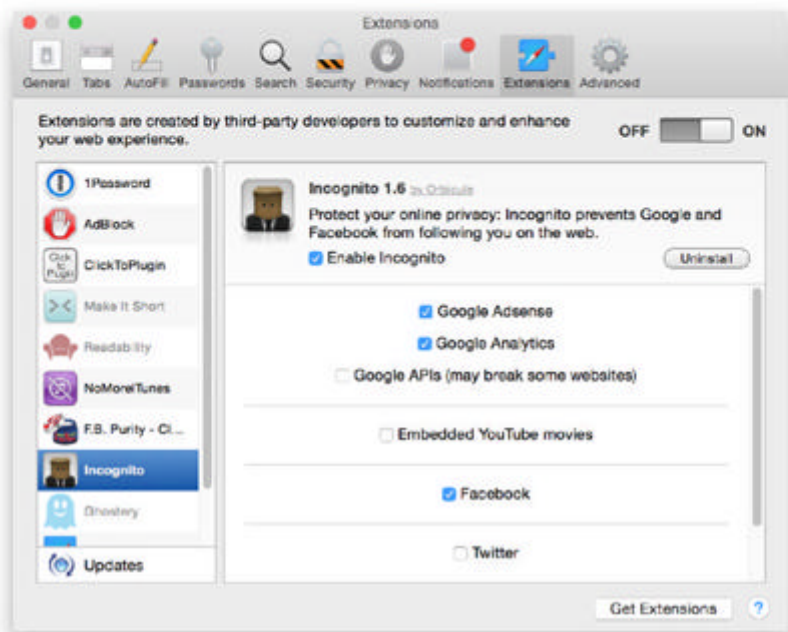
Unless you use the NoMoreiTunes extension (nomoreitunes.einserver.de). This blocks the redirect code that bounces Apple's store web pages to iTunes (or the Mac App Store or iBooks). In its place, you'll see a small button allowing you to open the page in iTunes if you want.

This makes it a lot easier to search



NOMOREITUNES

lets you view the iTunes Store in your web browser.



INCOGNITO LETS
you surf the web
without being
tracked.

Apple's stores, then go to their apps when you choose.

INCOGNITO

You probably know that you're tracked on almost every website you visit. The free Incognito (orbicule.com/incognito) "prevents Google, Twitter and Facebook from following you on the web." It doesn't block ads, but it prevents these sites from tracking you. When you search for, say, cat shampoo on Google, you won't see ads for cat

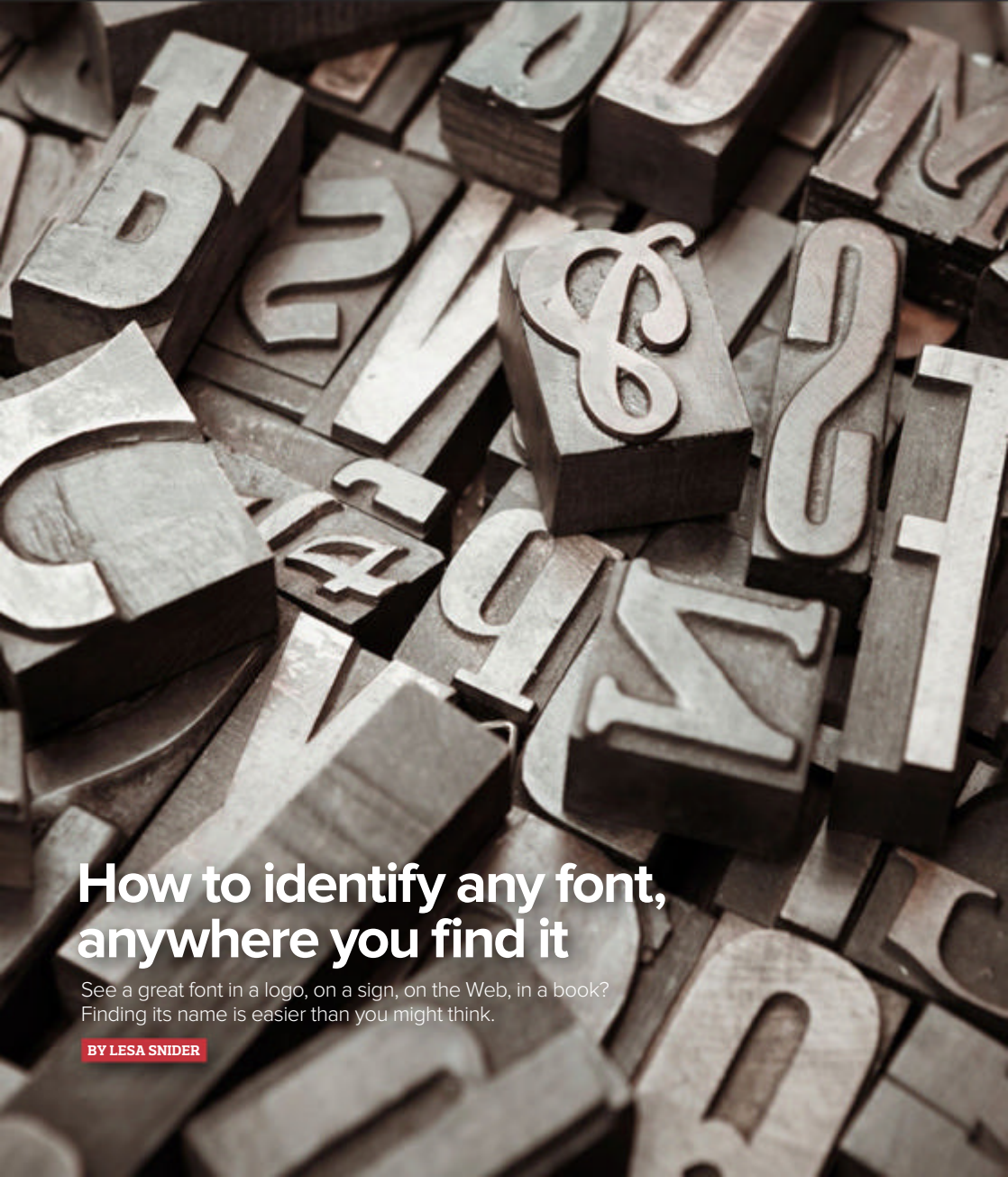
shampoo on Facebook, or sponsored tweets from companies that make cat shampoo on Twitter. Incognito is more about protecting your privacy—it doesn't prevent anything from being displayed, but it keeps your browsing a bit more private.

With these five extensions, you'll be able to surf more easily, save yourself some annoyance, and cut down time downloading overloaded web pages. Try them out and see how they change your browsing experience. ■



Up to 40% of businesses never recover after experiencing a major disaster.
Do you have a plan to keep your business running if disaster strikes?
For a free online tool that helps you develop an emergency plan,
visit [Ready.gov/business](https://www.ready.gov/business).

WHERE WILL DISASTER LEAVE YOUR BUSINESS?



How to identify any font, anywhere you find it

See a great font in a logo, on a sign, on the Web, in a book?
Finding its name is easier than you might think.

BY LESA SNIDER

With tens of thousands of fonts in circulation, it's tough to identify a specific font from memory. Fortunately, you don't have to. There are free websites, and an iOS app, that can identify font samples for you on the fly. The process is easy and a lot of fun.

FROM A PRINTED SAMPLE

No matter which resource you use, font identification from a printed sample works the same way: you scan or take a photo of some text, upload it, and then the resource tries to guess the characters in the photo. After the characters are correctly identified, the resource tries to find the font.

For the best results, use a clean, straight image of the example text. Ideally, find a large printed example of the font and then scan it—18 point text or larger works best, because the edges of the characters will be more accurate. If you don't have a scanner, take a careful snapshot with your smartphone or camera. Be sure to hold your camera so the text isn't skewed horizontally or vertically. If that's not possible, open the photo in an image editor and use its tools to straighten the example.

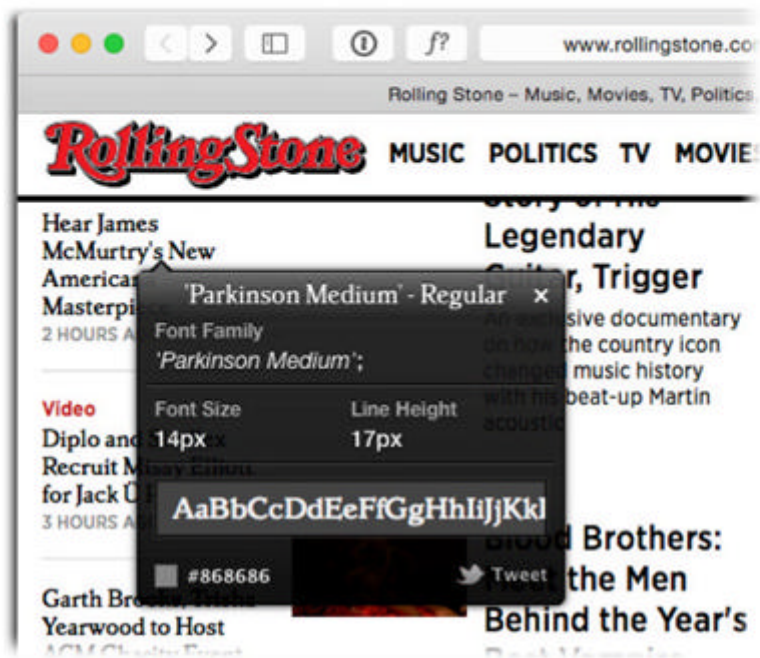
The most graceful way to identify a font in the wild is with the free WhatTheFont Mobile (go.macworld.com/wtfm) app. Just launch the app and then snap a photo of the text wherever it appears—on paper, signage, walls, a book, and so on.

The app prompts you to crop the photo to the text and then identify each character. Probable fonts appear in a list beneath the photo you uploaded, using the letters from your example text (which helps you determine the best match). Tap any font in the list to see more details.

If you don't have an iOS device, try using one of these websites instead: WhatFontis at whatfontis.com, TypeDNA at fontedge.matton.se and the WhatTheFont feature on myfonts.com. Each site examines an image you upload and then asks you to enter the letters that appear in your image. The website then tries its best to identify the font for you. The better the picture, the better your chances are of finding the font.

FROM LIVE TEXT ON THE WEB

Happily, it's far easier to identify fonts on the Web than it is in print. If the font you want to find is used on real text, not an image, just use WhatFont (go.macworld.com/wf), which is available as a bookmarklet, as well as an extension for Safari and Chrome. Once installed, the exten-



TO LEARN more about a font using WhatFont, click the text to summon this handy panel.

sion adds a small “f?” button to the left of the address field in your browser. Click the button, point your mouse at some text, and information about the font magically appears.

Clicking on some text while WhatFont is active pins a font detail panel to that text. This panel not only indicates the font name and size, it also shows the font’s alphabet and its color (as a hex value), and even lets you tweet what you’ve found.

FROM AN IMAGE ON THE WEB

If the font you want to identify on the Web is actually inside an image (say, a logo or an ad), you’ll need to use one

of the printed font resources mentioned earlier. However, instead of uploading your own image of the text, just drag the image from the website to your desktop and then upload that image to the font-identifying service.

Firefox and Chrome users can automatically upload images using the WhatFontis extension (go.macworld.com/wfis). Once installed, simply right-click an image and choose “Use this image on WhatFontis.com.” The WhatFontis.com site opens in a new tab with your image primed and ready for identification.

ASK THE PROS

If none of the above resources can

identify your font, try uploading the image to one of these following popular font identification forums. In a best-case scenario, your font will be identified in minutes. Otherwise, it may take a few hours or even days.

- > WhatTheFont Forum on MyFonts (go.macworld.com/myfonts)
- > Font ID Forum on Typophile (typophile.com/typeid)
- > Font ID Forum on Dafont (dafont.com/forum)

TRY PLAYING A GAME

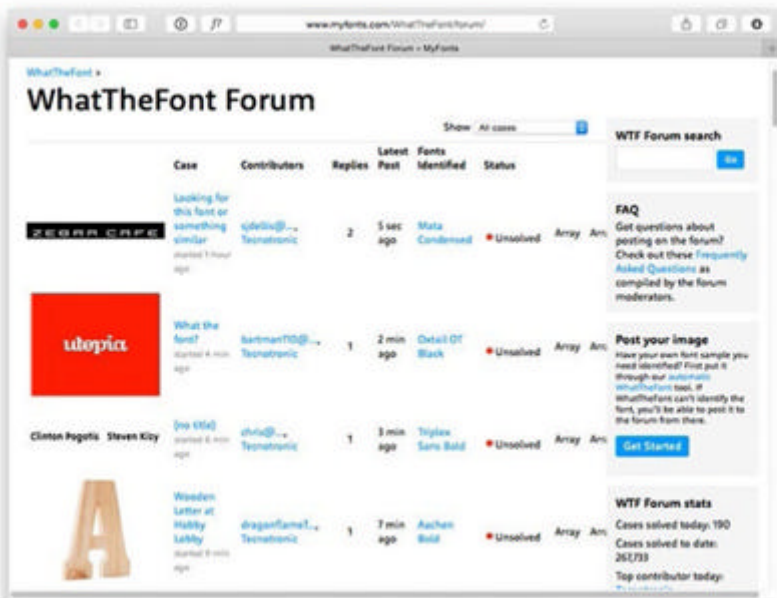
If all this font-identifying activity excites you enough to play a game about it, try The Font Game (go.macworld.com/fontgame), a \$2

iPhone app. Although it hasn't been updated since 2011, both its information and addictiveness are timeless!

FREQUENT FONT-FINDERS

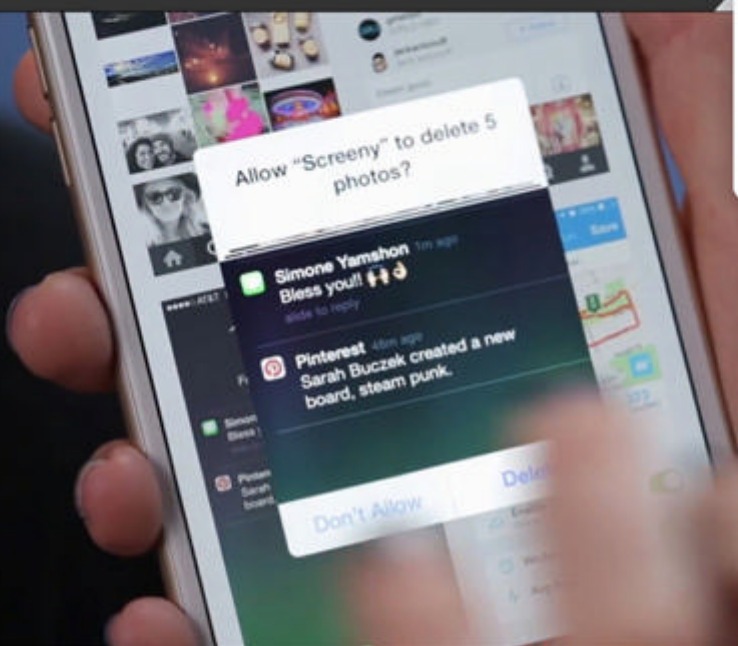
Last but not least, if you find yourself frequently identifying fonts (lucky you!), two \$40 apps can provide a much faster font-finding experience, along with additional features that help you optimize the example photo. There's Fontgear's FontGenius (go.macworld.com/fgenius) and FindMyFont (findmyfont.com).

As you can see, between the automated resources and helpful pros, you're just a few clicks away from identifying any font. ■



FONT IDENTIFICATION

forums can help identify difficult or unusual fonts (like those found on signage), but you may have to wait a little while for results.

**VIDEO**

To view this video, go to go.macworld.com/photos

Declutter your Camera Roll

These three photo management apps help tackle the job.

BY LEAH YAMSHON

My worst iOS habit is hands-down my inability to keep my Camera Roll clean—I never go through it to delete my crappy selfies, random screenshots, or my 49 failed attempts at photographing Sleeping Beauty Castle at Disneyland at nighttime. (Even worse: I back up everything, so those same terrible photos live on my Mac, too.)

It's been an ongoing problem that I can't quite seem to kick, though I think I may finally be onto something: the answer to de-cluttering my Camera Roll is to clutter up my home screen with more apps. These three photo management apps tackle photo clutter in different ways, and combining the three together into a weekly routine has, so far, started to make a dent in my never-ending pile of photos.

SERIOUSLY, YOU DON'T NEED THOSE SCREENSHOTS ANYMORE

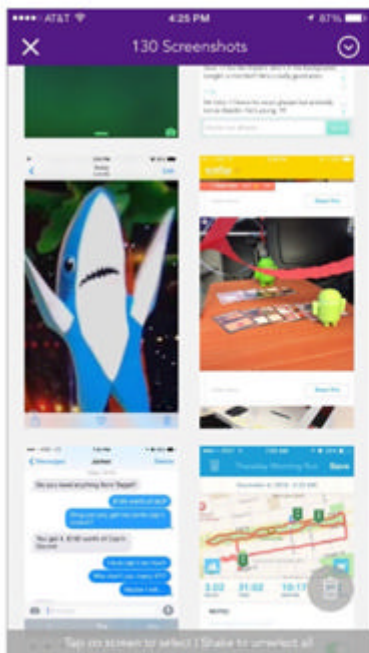
I take at least one screenshot on my iPhone every day, whether to use in an article, to save something for offline viewing (like directions from Google Maps, or a digital ticket stub), or to quickly snap something that I want to text to my friends—juicy iMessage conversations and ridiculous Facebook posts and pics that I want to privately share and have a good laugh.

But you know what that leaves me with? A cluttered Camera Roll filled with an ugly mess of screenshots that

I no longer need, and that have been sitting there untouched for months.

Screeny (\$1, go.macworld.com/screeny) filters out these screenshots so you can easily delete them. It scans through your Camera Roll and grabs all your screenshots, which you can review before batch-deleting the

WHY DID I even take some of these?



whole lot. You could also delete them one-by-one, or filter them down further by the last 15 or 30 days, if you only want to delete older snaps. That option is a great buffer for making sure you don't accidentally delete something you need.

Screeny's engine is super accurate—it's really good at selecting only screenshots. But, just to be safe, I always review what Screeny has selected to make sure a rogue photo didn't get pulled in by mistake before I hit the final "delete" button. That has only happened to me once, but I still take the time to look everything over first. I'd rather not risk deleting my guinea pig photos before I can post them to Instagram—priorities, people!

REVISIT YOUR PHOTOS ONE-BY-ONE IN SMALL BATCHES

Screeny can't help you deal with your regular photos. That's where Flic (\$3, go.macworld.com/flic) comes in. Flic shows you what's stored in your photo collection—one photo at a time—asking, "Does this really look like a Kodak moment to you?" You decide what stays and what goes in a Tinder-esque fashion—swipe left to send to the trash, or swipe right to keep.

With each photo you dump, Flic tells you how much space you've cleared. Flic stores these "trashed" photos in a special tab until you're ready to actually delete them, so you

can take one last look at your pics before you send them into the abyss. And, to keep you from getting photo fatigued, Flic groups your photos together by calendar month, so you're not sorting through your entire Camera Roll at once.

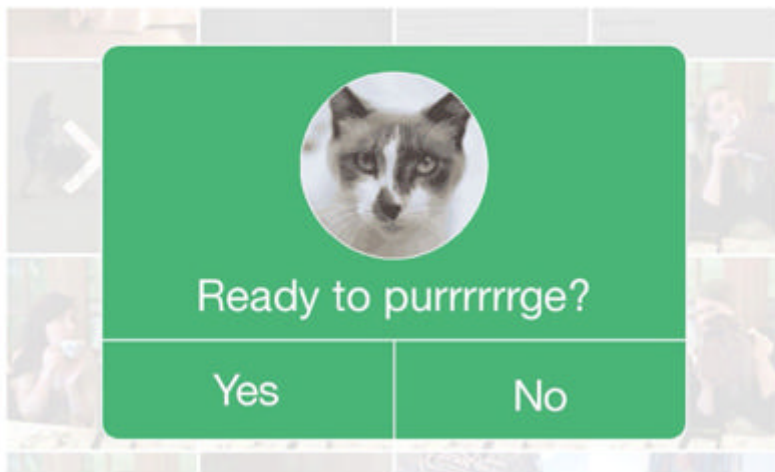
REVIEW YOUR CAMERA ROLL AT A GLANCE

Once you've gone through your photos individually, take a look at your Camera Roll as a whole, and batch-delete duplicates or photos that just aren't keepers. Purrge can help with that.



GUINEA PIG PICS?

Definitely a keeper. Swipe right.



DELETE THESE
photos, right
meow.

I wanted to write off Purrge (\$2, go.macworld.com/purrge) as just a gimmicky app to take advantage of everyone's cat obsession (Purrge? Really?), but it's actually a pretty great tool. Purrge has a gesture-based interface, which you use to quickly batch delete photos from your Camera Roll. All of your photo thumbnails are shown on a grid; tap "select", and then tap an image to mark it as trash, or swipe across a cluster of images to mark multiple photos at once. You can

also look at full-screen versions of your photos one by one, and switch back and forth between similar images to pick the best of the bunch to keep. Swipe up on any full-screen photo to delete it.

When you're ready to trash everything, tap the Purrge icon at the top of the screen, and you'll finally get to see that cute cat photo that the app promises—that is, if you don't have a zillion cat photos on your phone already. ■



Creaticity: Place photos inside text using Photoshop

BY LESA SNIDER

One of the many advantages of an image editor that supports the concept of layers—Adobe Photoshop, Photoshop Elements, and Pixelmator, to name a few—is that you can push a picture through the content of other layers. In this column, you'll learn how to push different pictures through the word LOVE.

Not only is this technique a fun project, but it also makes a super sweet gift. If you go the extra step of printing it, you could frame it or the lucky recipient can tack it onto their fridge, and then use it as a bookmark later on. The following steps are for Photoshop, but you can easily adapt them for use in Photoshop Elements or Pixelmator.

CREATE THE DOCUMENT AND ADD LETTERS

Choose **File** → **New** to create a new document at the size you desire. If you're going to print the piece, enter between 240–300 for resolution; if not, enter 72.

Press **T** to grab the Type tool, click within your document and add the first letter—don't worry about formatting just yet. While the Type tool is still active, mouse away from the first letter and **Shift-click** to create another type layer. Enter another letter and repeat until you've created each letter of the word on its own layer. Activate the type layers by **Command-clicking** near their layer names in the Layers panel or, if the topmost type layer is

active, **Shift-click** the bottom type layer. With the Type tool active, choose a big, thick font from the font menu in the Options bar and increase the font size so the letters are really big (Gill Sans Ultra Bold at 244 points was used here). It doesn't matter what color the text is, but you do need a big, thick font so there's room for the photo to show.



SOME GOOD FONT choices that are already on your Mac include Arial Black, Charter Black, Gill Sans Bold, or Impact. You can also search Google's free fonts for thick fonts.



FOR THIS TECHNIQUE TO work, the image layer must be positioned directly above the type layer that you want to push it through.

Press V to grab the Move tool and drag to reposition the letters so you've got fairly equal space between the letters and between the edges of the document.

INSERT THE PICTURES

Perhaps the most challenging part of this project is finding pictures where your subjects are close enough together to fit inside a letter. Once you've rounded up some pictures, activate the "L" type layer and choose *File → Place Embedded*. Navigate to where the photo lives and click Place. Photoshop adds the image and surrounds it with a resizing box; just Shift-drag any corner handle to resize it.

Press V to grab the Move tool and

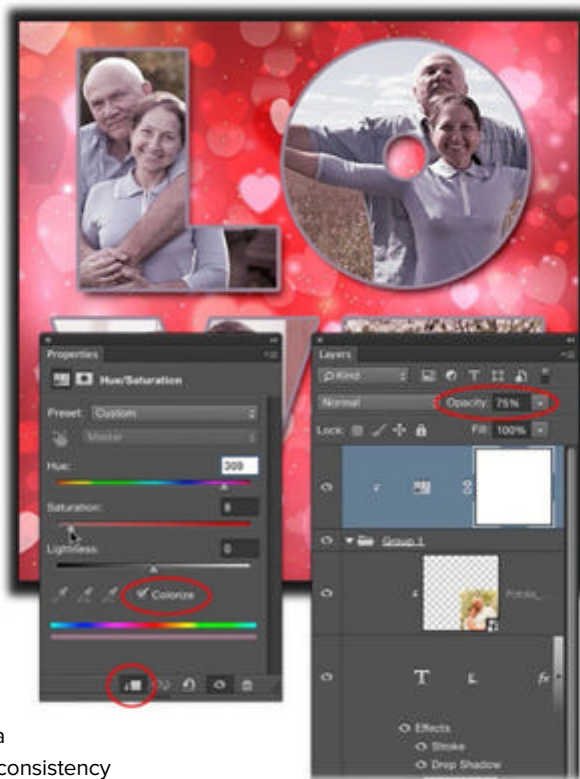
position the photo atop the letter you want to push it through. Choose *Layer → Create Clipping Mask* to push the image through the shape of the layer beneath it. To resize the image inside the letter, press Command-T to summon Free Transform, Shift-drag any corner handle, and press Return when you're finished. To reposition a photo inside a letter, ensure the image layer is active and then use the Move tool.

When you're finished, activate the "O" type layer and repeat this process until you've plopped a picture into each letter.

EMBELLISH AND TINT

To make the letters stand out, try adding layer styles such as a stroke and a drop shadow. You can also add a festive background image as the bottom layer in your Layers panel. Since it's unlikely that the colors in your photos will match, try adding a color tint to introduce consistency across the imagery.

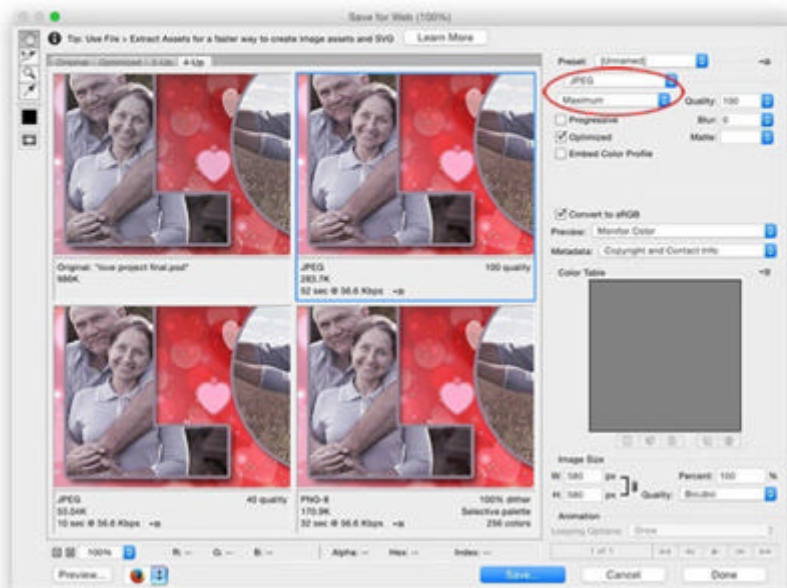
Activate the layers that you want to tint and then pop them into a layer group (folder) by pressing Command-G. Next, choose *Layer* → *New Adjustment Layer* → *Hue/Saturation*. In the resulting panel, click the clipping icon (circled) at lower left to clip (restrict) the adjustment layer to the contents of the group. Back in the Properties panel, turn on Colorize (also circled) and then experiment with the Hue and Saturation sliders to find a pleasing color.



TO TONE DOWN the color tint, reduce the layer opacity of the Hue/Saturation adjustment layer. If you added a stroke to each letter as described earlier, it'll take on the same color tint.

SAVE AND SEND OR PRINT

To save your document with the layers intact, choose *File* → *Save As* and choose Photoshop from the format menu. To print your masterpiece, just choose *File* → *Print*. To prepare a copy to send via email, choose *File* → *Save for Web*. From the menus at upper right, choose JPEG and Maximum. If you're posting the image on Facebook, choose PNG-8 or PNG-24 instead; that way, Facebook's compression algorithm won't completely destroy the



PHOTOSHOP'S SAVE for Web dialog box lets you visually compare the image using different file formats and quality settings.

quality of your image.

Until next time, may the creative force be with you all! ■

PHOTOLESA.COM FOUNDER **LESA SNIDER** TEACHES THE WORLD TO CREATE BETTER GRAPHICS. SHE'S THE AUTHOR OF THE BEST-SELLING *PHOTO-*

SHOP: THE MISSING MANUAL BOOKS, COAUTHOR OF *iPHOTO: THE MISSING MANUAL*, AUTHOR OF *THE SKINNY* BOOK EBOOK SERIES, A FOUNDING CREATIVELIVE INSTRUCTOR, AND REGULAR COLUMNIST FOR PHOTOSHOP USER AND PHOTO ELEMENTS TECHNIQUES MAGAZINES.



**“ SURE,
AT FIRST I WAS A LITTLE TAKEN ABACK
BY THE WHOLE PEEING STANDING UP THING.
BUT I TAUGHT HIM TO THROW A STICK
AND NOW HANGING OUT WITH HIM
IS THE BEST PART OF MY DAY.”**

**— EINSTEIN
adopted 12-09-10**

**A PERSON
IS THE BEST
THING TO HAPPEN
TO A SHELTER PET**



adopt

theshelterpetproject.org





Mac 911

Solutions to your most vexing Mac problems.

BY CHRISTOPHER BREEN

Your Photos for OS X questions answered

In this month's issue, I offer a first look at the developer's beta of the Photos app, which is included in the just-as-beta OS X 10.10.3 developer's release. (See [First Look: Photos for OS X](#).) Unsurprisingly, my inbox is flooded with questions. Let's get to some of them now.

Q: Will Photos import my events from iPhoto?

A: In its own special way, yes. When you import your iPhoto library, events will appear under the Albums heading as iPhoto Events. Open this album and you'll see each event listed by date. Double-click on one of these former events to view its contents.

Q: What about star ratings? If I understand correctly, Photos doesn't support them.

A: While it's true that star ratings have been replaced by Photos' on/off Favorite feature, Photos does import star ratings from your iPhoto library. When it does so, it turns them into keywords along the lines of 1 Star, 2 Star, 3 Star, and so on. Although you can no longer sort by the star character, you can perform a keyword search by entering 2 Star or the like. If you'd like to gather together all the images that you've assigned a particular rating, you can do so by creating a smart album using that keyword search as its condition.

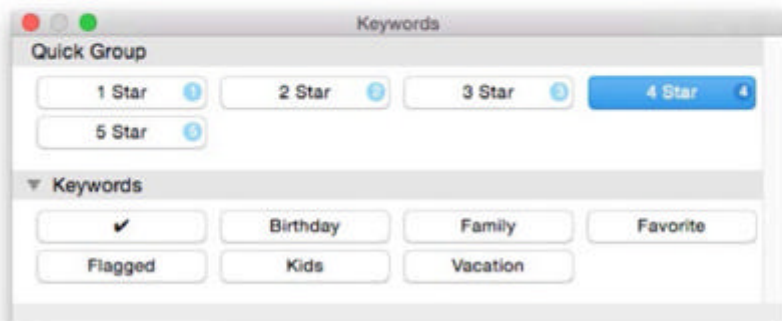
Q: But that means I can no longer easily assign a rating by typing a keyboard shortcut!

A: You can, but it takes a little finagling. Photos has a Keyword Manager

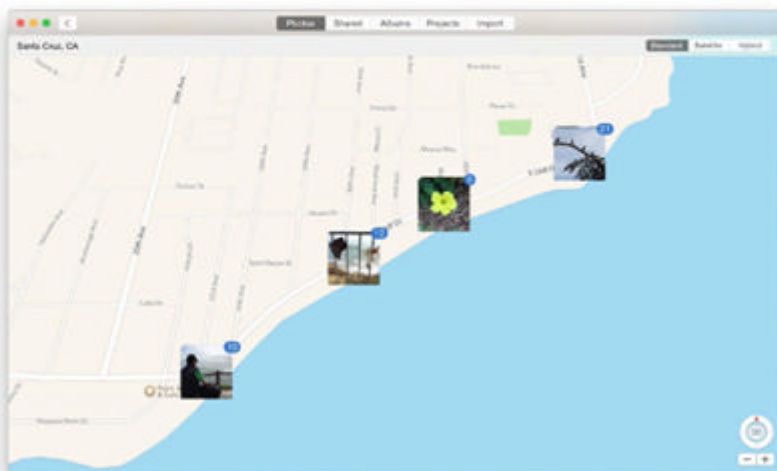
window where you can add keywords. You might add 1 Star, 2 Star, and so on. When you do this, these keywords are automatically assigned number key shortcuts. In my case, because the first five keywords I assigned were 1 Star, 2 Star, 3 Star, 4 Star, and 5 Star, they were assigned numbers 1 – 5. To assign a rating, I open the Keyword Manager window, select an image (or group of images), and press the appropriate number key to assign the rating.

Q: What about applying geotags as I could do with iPhoto's Places feature. Is it possible to assign a geotag after the fact?

A: As far as I can tell, no. When you import images from your iPhoto library that have been geotagged—either by the camera or by your manual efforts—those tags are respected and appear in the image's Info window along with an accompanying map. Likewise when you



OPEN THE Keyword Manager to easily assign ratings to your images with a click or key press.

**PHOTOS CAN DISPLAY**

the location of geotagged images, but it doesn't appear that you can manually add such tags.

import images from an iOS device or camera that geotags them, that information is imported right along with the rest of the metadata. But I haven't found a way to manually assign geotags to images that don't already have them.

Q: Is there a way to upload just a portion of your photos to your iCloud Photo Library?

A: There's nothing in the beta that indicates that you can. As with iTunes Match it appears that this is an all or nothing operation. But there may be a way to work around this. Photos will sync only its default library to the cloud. You could use this library for only those images you want synced. You might then create a second

library that includes those images you don't want to sync. It means switching between libraries, but this is easily done by quitting Photos, holding down the Option key, launching the app, and then choosing the library you want.

Q: You've said that your iPhoto library isn't duplicated when you import it into Photos, yet I've downloaded the beta (because I'm a developer) and I see both an iPhoto library and a Photos library of around the same size. Can you explain the discrepancy?

A: As you say, the Finder seems to tell us that you've doubled the storage requirements necessary to maintain these two libraries. The Finder, how-

ever, is telling a half-truth. Here's why.

When you launch Photos and it pulls images from your iPhoto library, a new Photos Library archive appears in the same location as your iPhoto library. And the Finder tells us that it's a bit bigger than the iPhoto library. But the truth is that it's not really consuming that amount of space. The Finder reflects the size of the library as if it held all the original files, which it isn't as it's referencing the original images.

It's a bit confounding, but you can test it yourself. In Disk Utility, create a disk image with a capacity 25-percent larger than your iPhoto library. Let's say that your iPhoto library is 2GB and you create a 2.5GB image. Copy your iPhoto library to the disk image and then launch Photos while holding down the Option key. Click Other Library and navigate to the iPhoto library on the disk image. Photos will launch and create a Photos Library archive.

Given that the disk image can hold just 2.5GB of data—4/5ths of which is already being used by your iPhoto library—you should be told there's not enough storage to complete the operation. And yet it works and there's the Finder proudly displaying two file sizes that exceed the capacity of the image. This tells you that the Finder is fibbing in regard to how

much data each library really holds.

The upshot being that you're safe importing a large iPhoto library even though it seems you don't have the storage space to accommodate it.

Q: I use a lot of AppleScripts with iPhoto. Will they work with Photos?

A: Photos, like iPhoto, is scriptable. However, the scripting dictionary in the beta isn't complete nor is it as robust as iPhoto's so many iPhoto scripts won't currently work with Photos. Also, there's currently no support for Photos in Automator.

WHEN USING IPHOTO ON A HOTEL WI-FI NETWORK I'VE BEEN ABLE TO ACCESS ANOTHER PERSON'S IMAGES BECAUSE THEY WEREN'T CAUTIOUS ENOUGH ABOUT THEIR SHARING SETTINGS.

Q: Will I be able to view the shared photo library of someone else on my local network as I can in iPhoto?

A: That feature isn't in the beta release I've seen. Because of privacy concerns, my guess is that it may never reappear. When using iPhoto on a hotel Wi-Fi network I've been able to access another person's images because they weren't cautious enough about their sharing



SORRY, without Yosemite, no Photos for you.

settings. Given the security breaches we've seen over the past few years I'm not sure I'd blame Apple for deciding this feature is just too risky.

Q: I'm not using Yosemite and don't plan to anytime soon. Will Apple provide a version of Photos for Mavericks?

A: No. There are things happening under the hood that require Yosemite. While Apple isn't going to continue selling new licenses to iPhoto and Aperture, current owners can re-download the apps should something happen to their original copies. They'll continue to run perfectly well under the OS you're currently using. But if you want to make the switch you'll also have to upgrade to Yosemite.

Q: *Grumble grumble* Aperture replacement *grumble* professionals *grumble* no substitute *grumble*!?

A: Some people have made the argument that because Apple will no longer support Aperture as well as iPhoto, Photos is a failure because it doesn't offer all the power of Aperture. I would suggest, in the most respectful way possible, that we all get over it.

Photos is not an Aperture replacement. It doesn't offer Aperture's organizational powers, brushes, versions, etc. You can certainly be disappointed that a free bundled app doesn't replace one that cost a couple of hundred dollars, but all that's going to earn you is frustration. Apple's moved on and it seems you'll have to as well.

Much as I counseled AppleWorks users to stop doing work in an app that had no future, so too would I suggest that Aperture users start looking for the next way forward. While Aperture will continue to work perfectly well for quite awhile, if you continue adding images and editing

them extensively, you're making more work for your future self when you finally have to jump to another app.

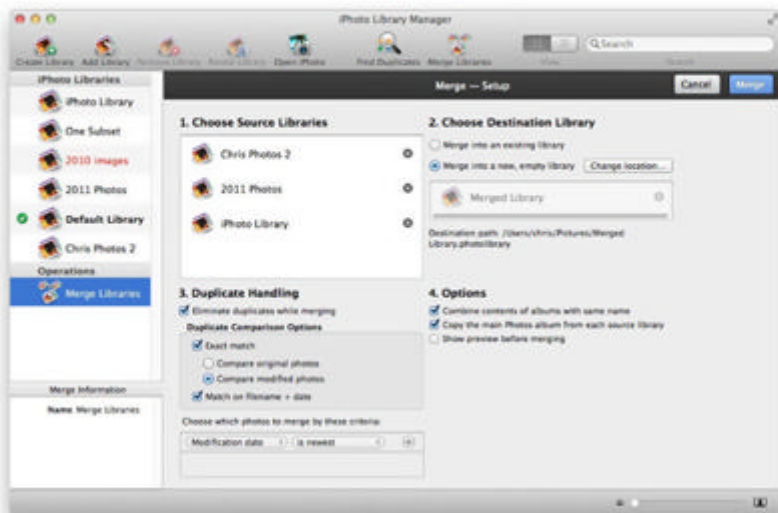
Most of the pro shooters I know have moved to Adobe Lightroom (go.macworld.com/lightroom). Unlike most of Adobe's pro apps, it can be purchased with a perpetual license (versus requiring a Creative Cloud subscription). The latest version includes a plug-in for importing Aperture and iPhoto libraries. The migration isn't seamless—you can't import your adjustments—but doing it now will save you some work should you wait a year to take this step. If Lightroom doesn't rock your boat, Capture One (go.macworld.com/captureone) is another option to consider.

Combining libraries

Q: A number of us probably have multiple libraries to minimize the iPhoto slow-downs. If what I read about Photos is correct, it will alleviate much of that sluggishness and allow working with much larger libraries. What is (are) the best way(s) of combining the individual libraries in order to have one consolidated library for use with the new app?

Chris Guild

A: You can certainly copy images out of one library and into another, but that's not the same thing as combining multiple libraries as you lose album associations and so on.



OPEN THE Keyword Manager to easily assign ratings to your images with a click or key press.

In a case like this I would turn to a tool designed for such a task—Fat Cat Software’s \$30 iPhoto Library Manager (fatcatsoftware.com/iplm). Among its many talents is the ability to merge iPhoto libraries.

Photos and time

Q: I have used iPhoto’s Events to construct many (hundreds) of scanned/restored photos (plus digital photos) by date and year, dating back to the 1800s. Will Photos respect this organization with its version of events? Will there still be the ability to batch change the dates so that scanned photos flow in date order?

Bob Reed

A: Photos doesn’t have events. Rather, imported events appear as albums. Despite the new name, Photos will indeed support the

previous organizational scheme. When you double-click on the iPhone Events album you’ll see collections of images, gathered together by date.

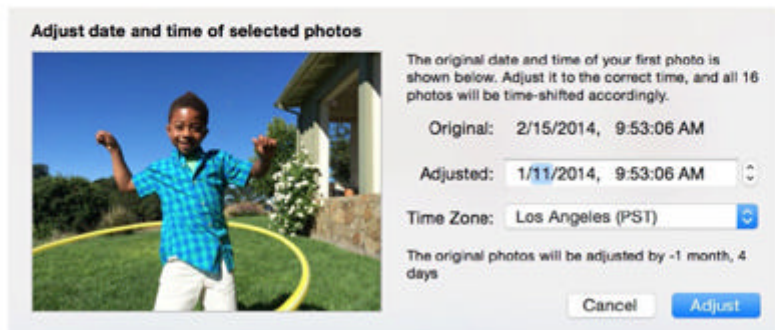
And yes, you can batch change dates. Just select the images you want to edit and choose *Image* → *Adjust Date and Time*. In the resulting sheet you can change the date, time, and time zone. When you export those images to other apps, those time changes will be respected.

Photos and plug-ins

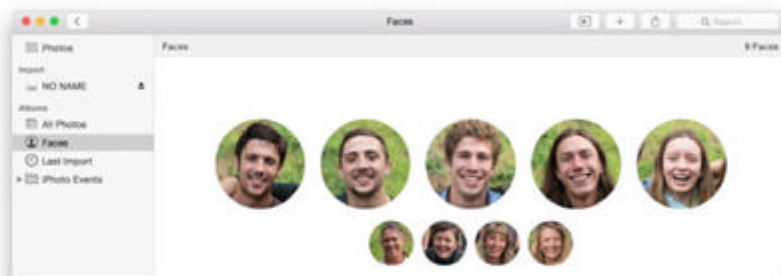
Q: I believe at the keynote Apple said that Photos would allow third party plugins. Have we seen anything of this yet?

Trevor Sims

A: We have not, though you’re correct that Apple has said that Photos would be open to third-party extensions. Should this come to



YES, BATCH
changing date and
time is supported
in Photos.



YOU WON'T LOSE
face(s) when
importing an
Aperture library.

pass, some people's complaints about the lack of truly professional features may be addressed.

Facing Faces

Q: Can faces be moved over from Aperture and continued in Photos? We have years of grandkids' faces we view as precious time lapse.

Hurley

A: They can. When you import an Aperture library face identification information comes along for the ride. When you select Faces either in the toolbar or sidebar, you'll see any faces you've tagged.

No iCloud required

Q: I've read a couple of your columns about the beta version but it's not clear to me whether or not one has to store their photos in

iCloud. I do not want to do this and want to keep them stored locally on my Mac. Is this going to be possible?

John Karr

A: Yes. You needn't use iCloud at all. You can store all your images locally. Or you can choose to continue using Photo Stream, which shares your images with other devices linked to your Apple ID, but not also use iCloud Photo Library.

Deleting your iPhoto library

Q: Once all my photos have been copied over to the new app Photos can I then delete the iPhoto library and not lose any photos?

Kurt

A: I tested this by importing an iPhoto library, which created a Photos library. I then deleted the iPhoto library and, sure enough, the images remained. ■

SUBSCRIBE TODAY!

Macworld Magazine on the iPad

Everything you've come to love about Macworld magazine is now available in an Enhanced iPad Edition!

FEATURES OF THE iPad EDITION

- **Optimized for the new iPad**
- **Integrated Video Clips, Sound Bites, and Multimedia**
- **High-Resolution Images**
- **iPad Intuitive Layout**
 - Swipe and slide through digitally remastered articles
- **Fully Interactive Table of Contents**
- **URL and Macworld Find-Product Code Supported**
 - Links to webpages, app and product reviews
- **Bookmark Articles**
- **Share Content via Twitter and Email**



Go to macworld.com/subscribe to get it now!